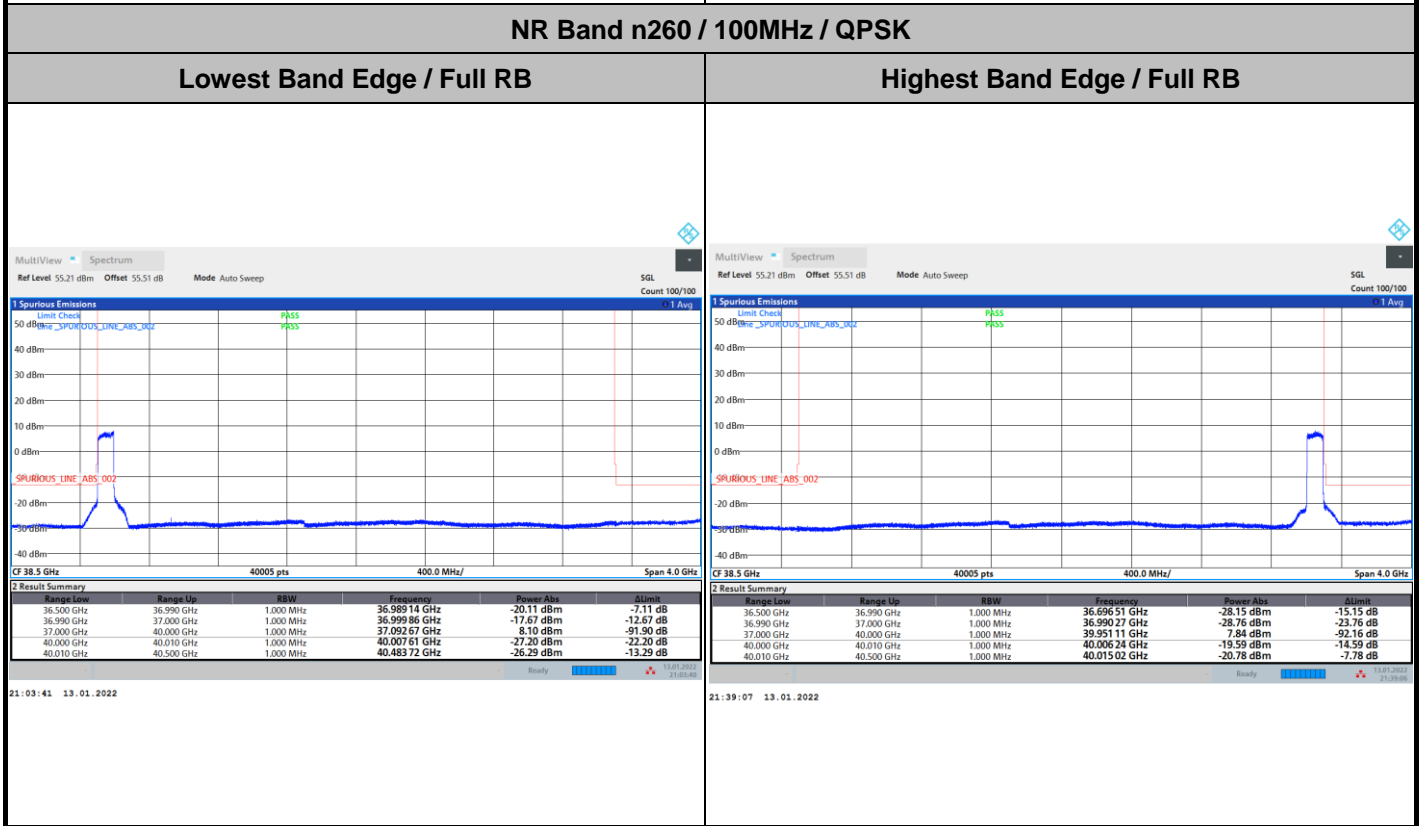
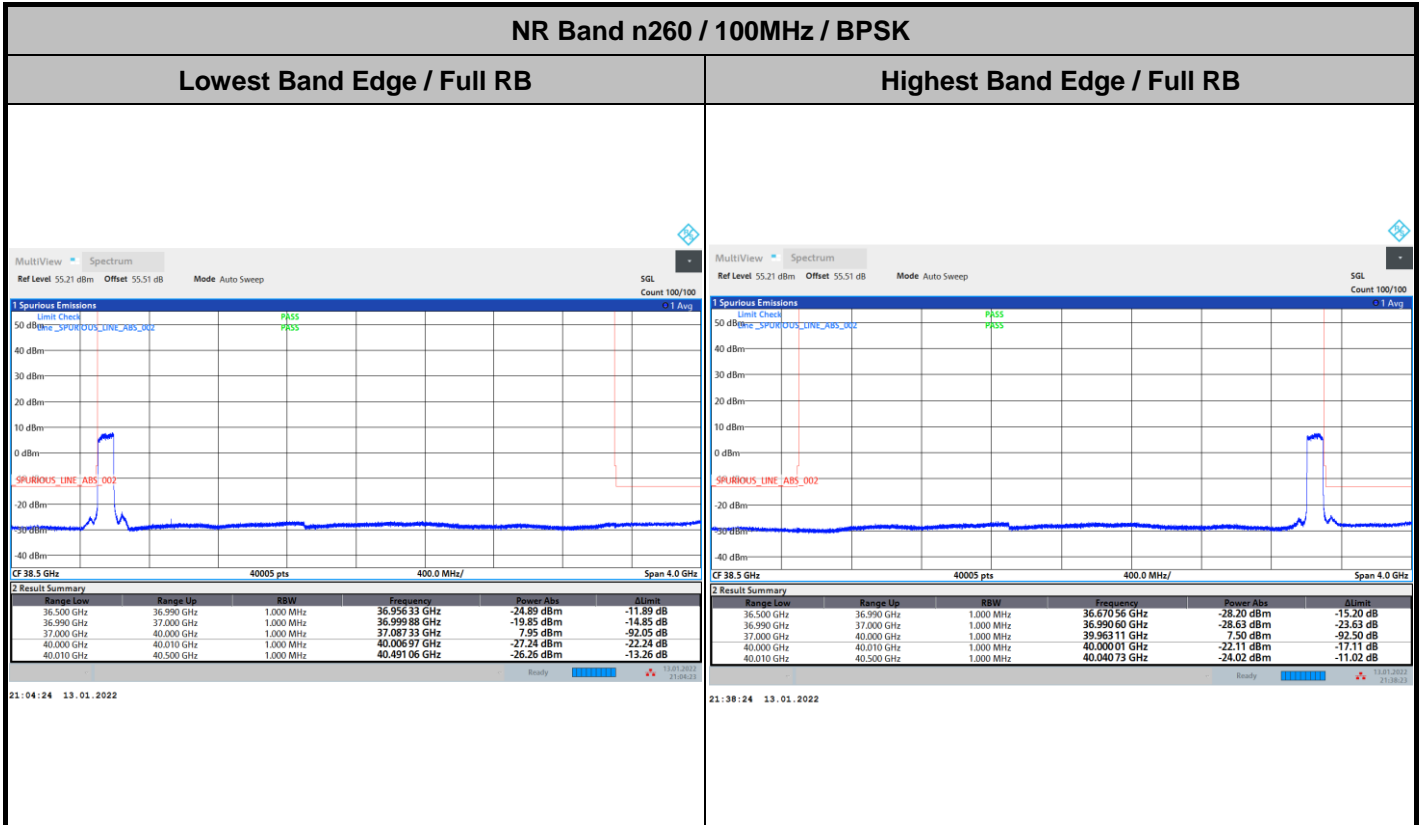


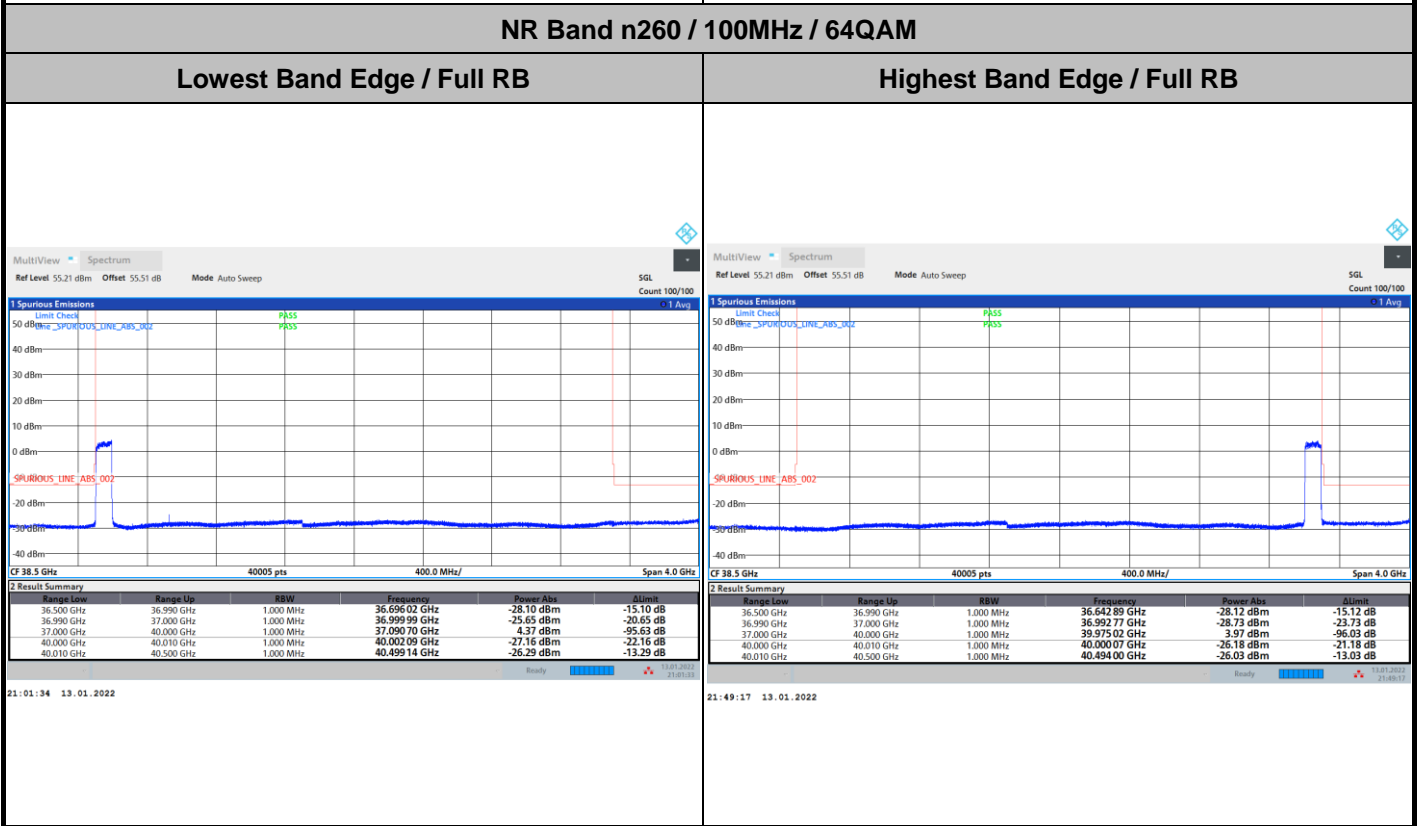
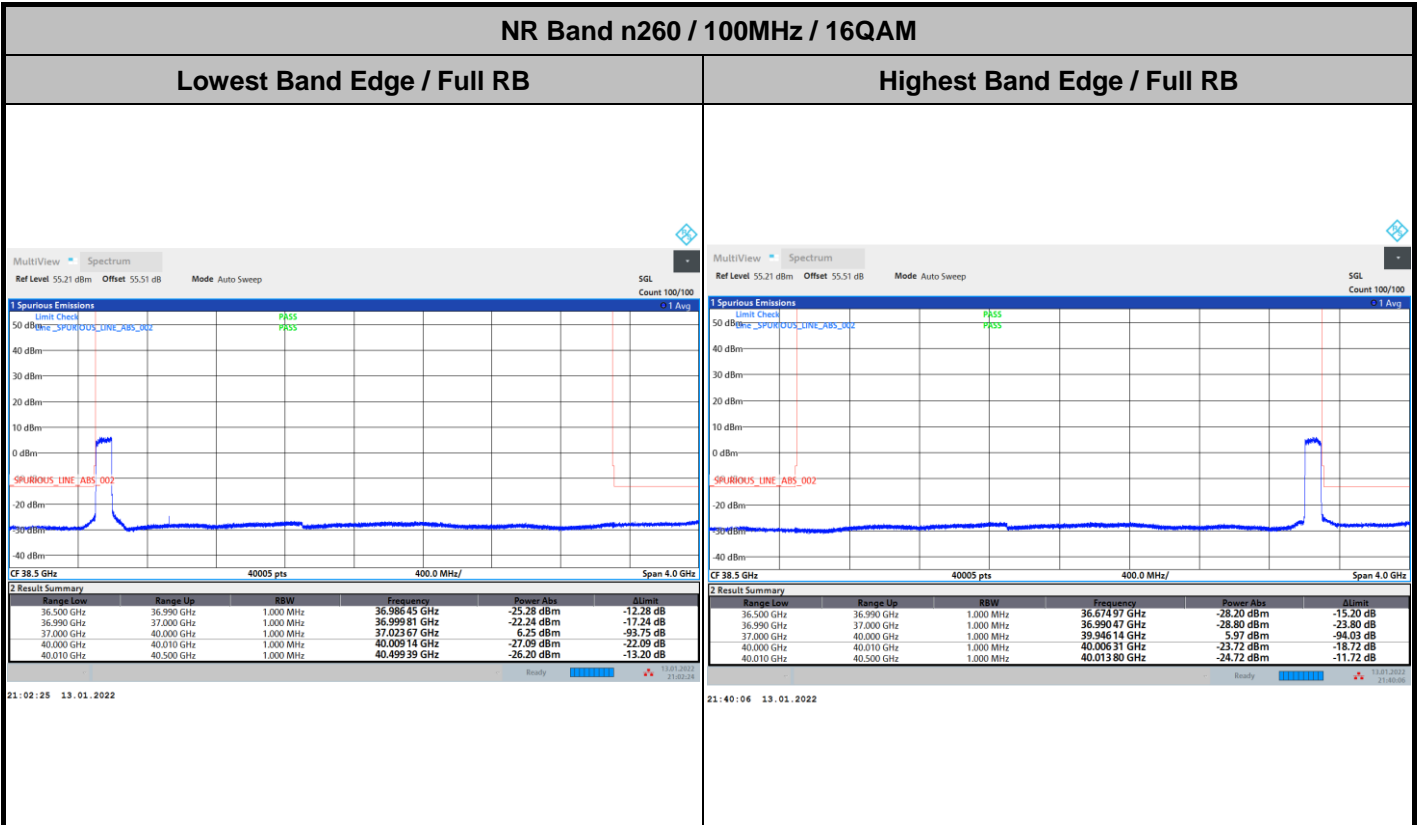


DFT-s-OFDM Module 1



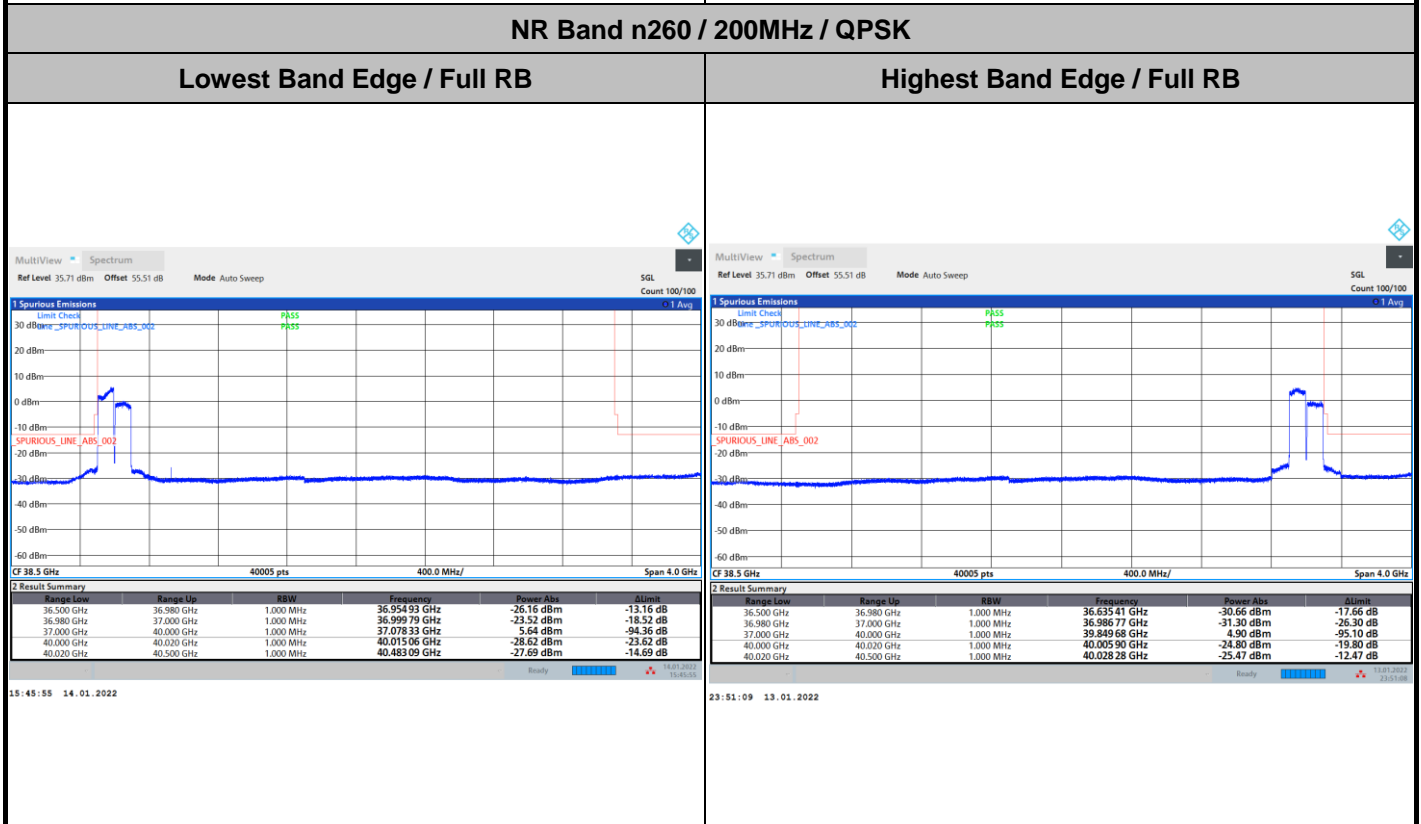
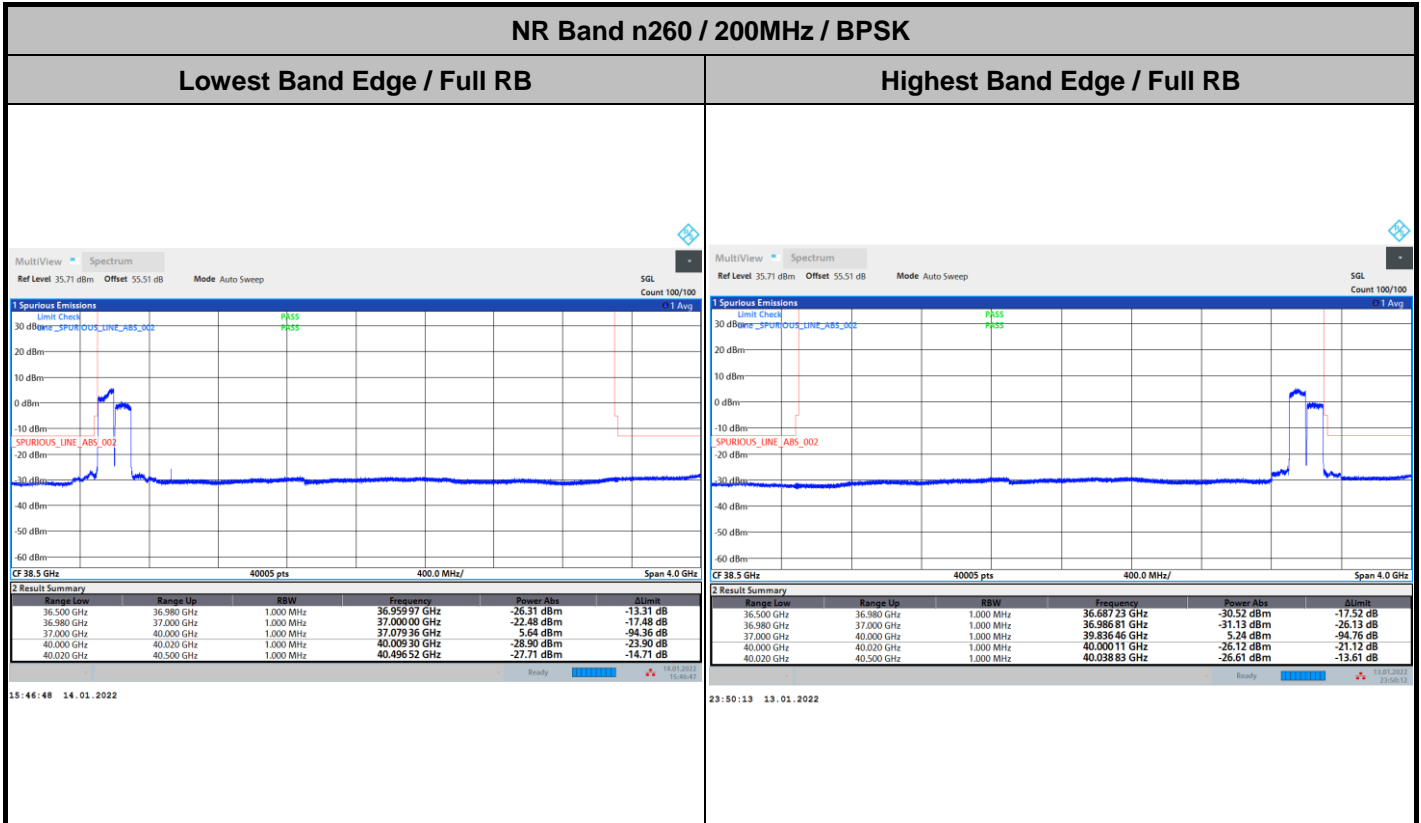


DFT-s-OFDM Module 1



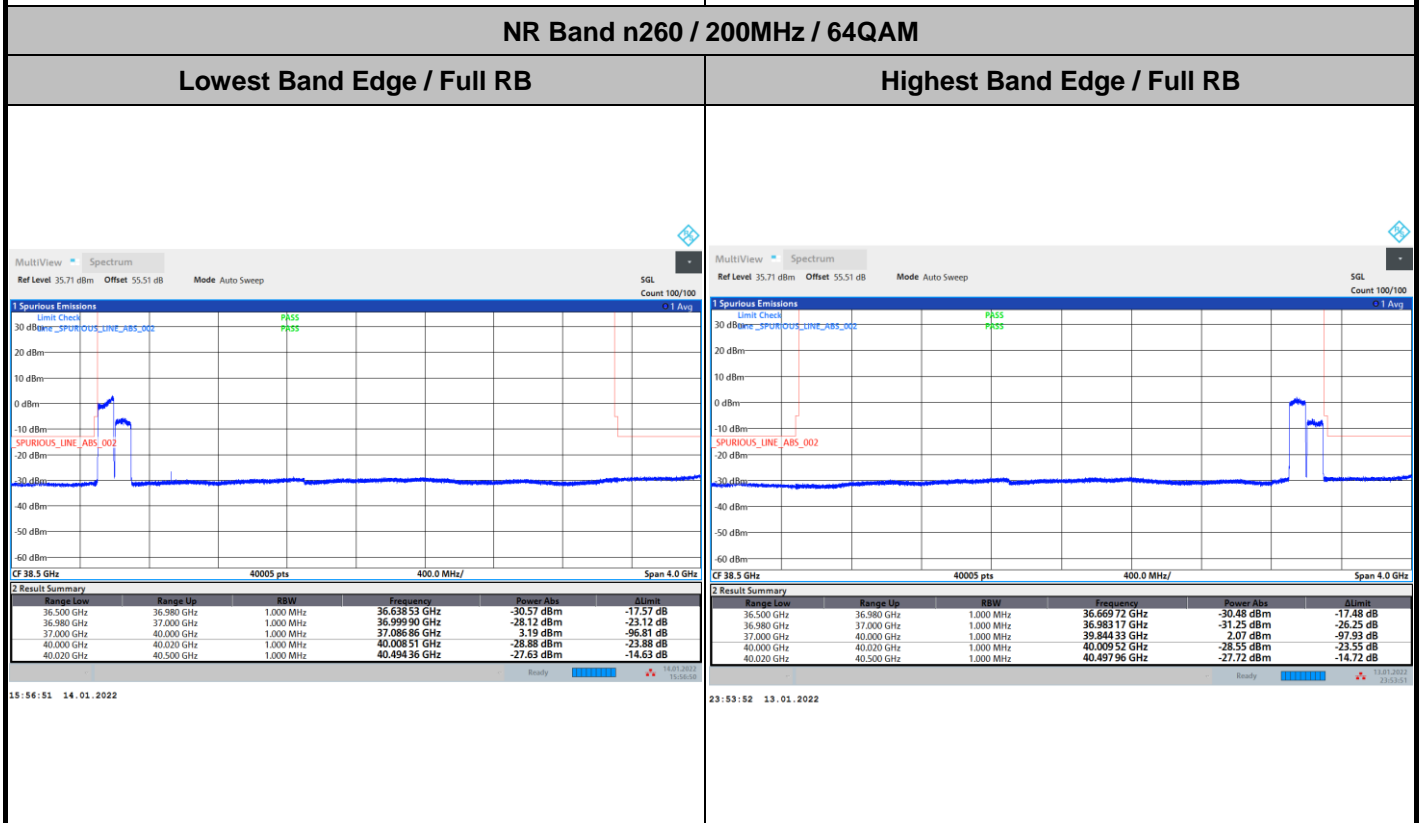
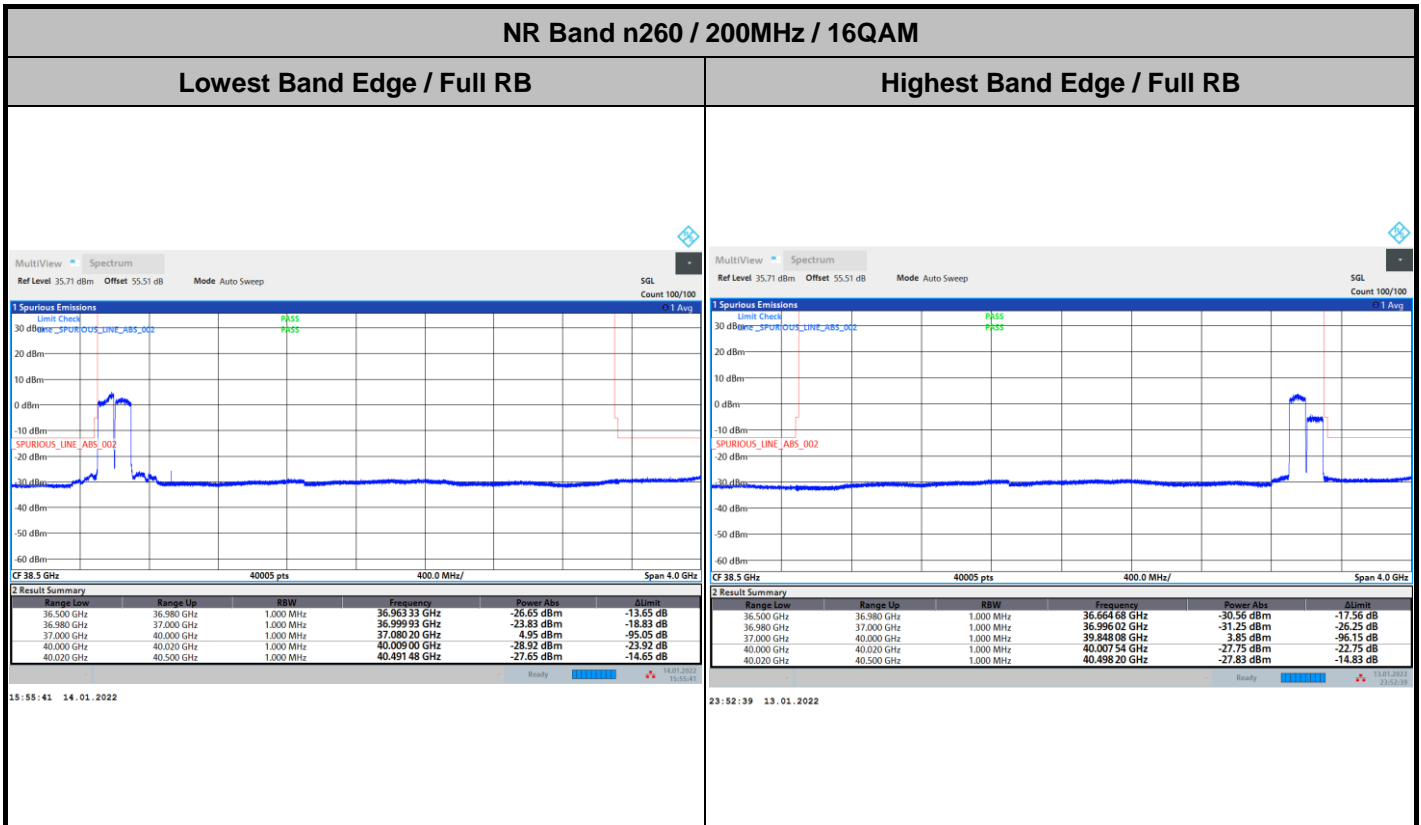


DFT-s-OFDM Module 1





DFT-s-OFDM Module 1

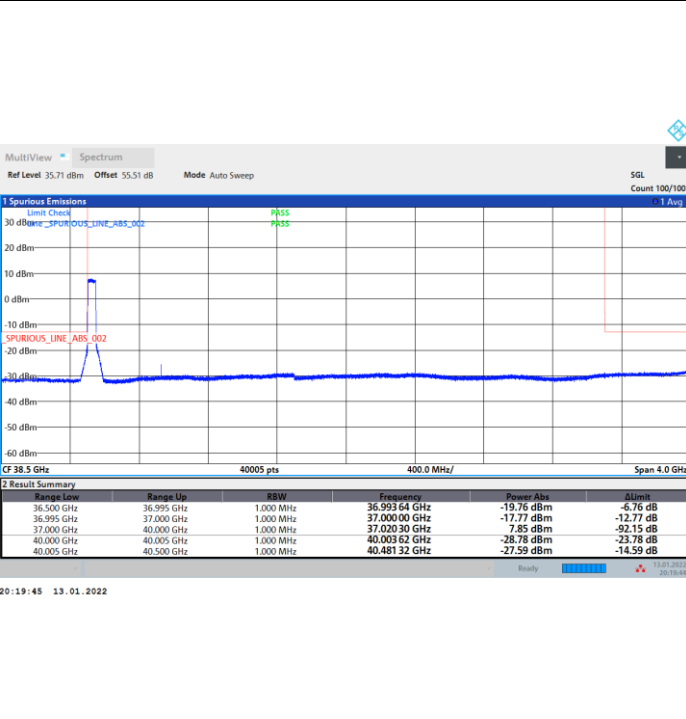




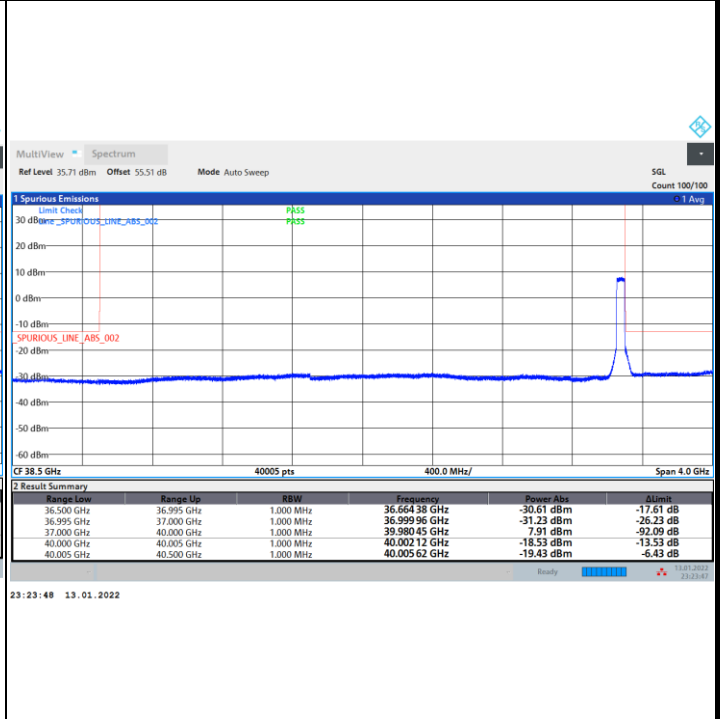
CP-OFDM Module 1

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

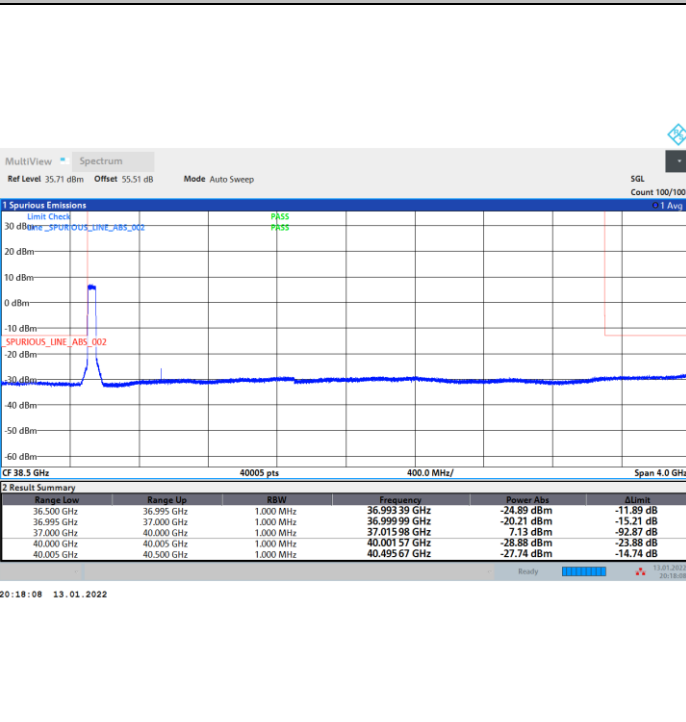


Highest Band Edge / Full RB

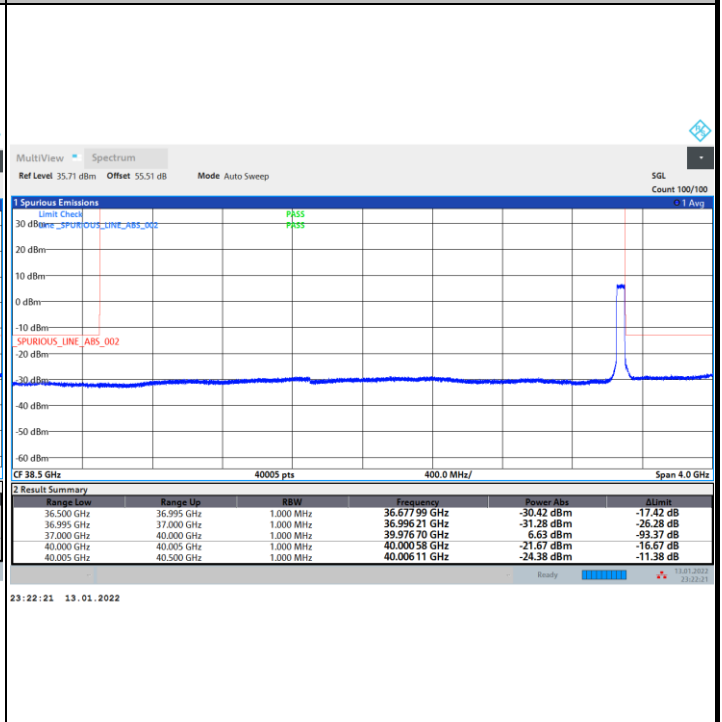


NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB

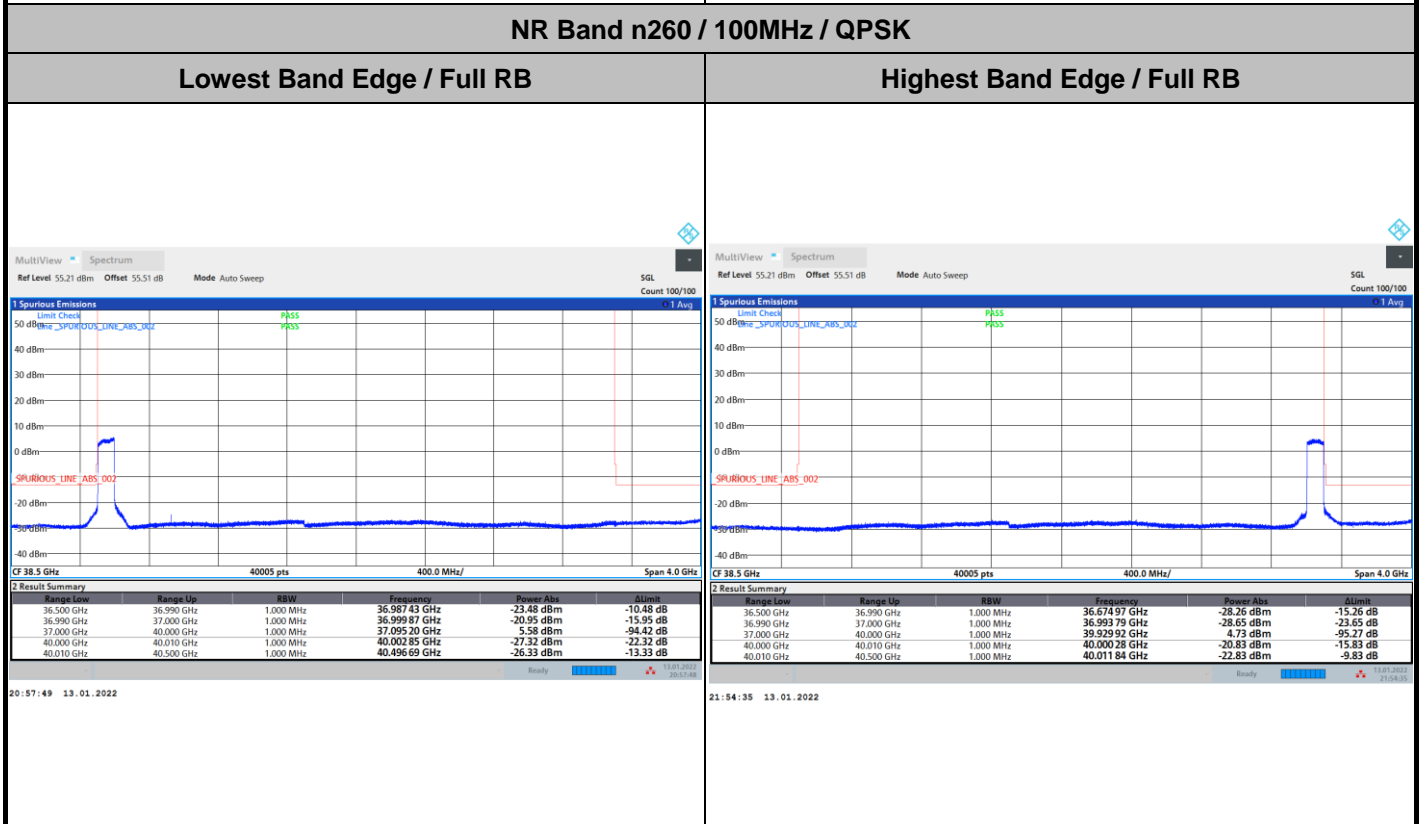
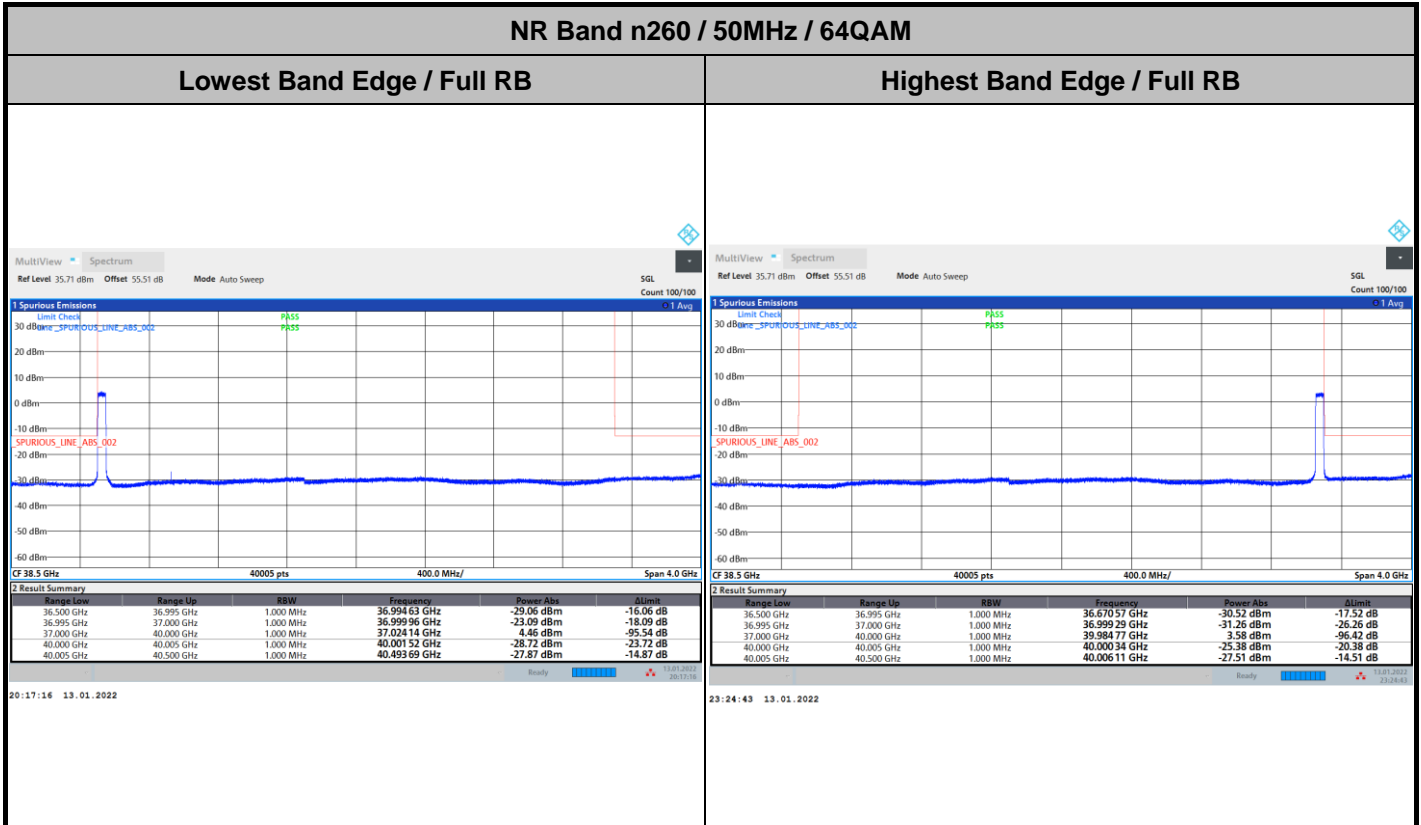


Highest Band Edge / Full RB





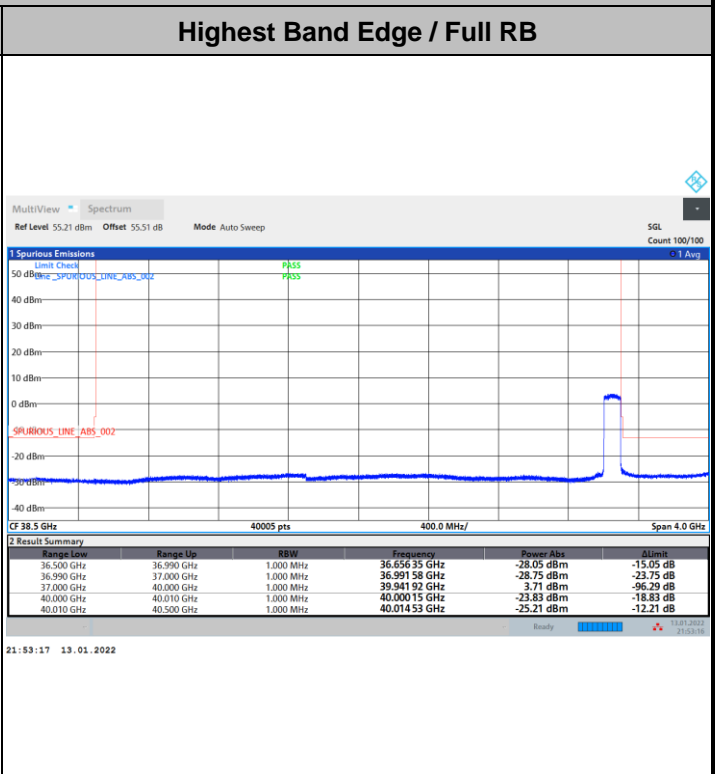
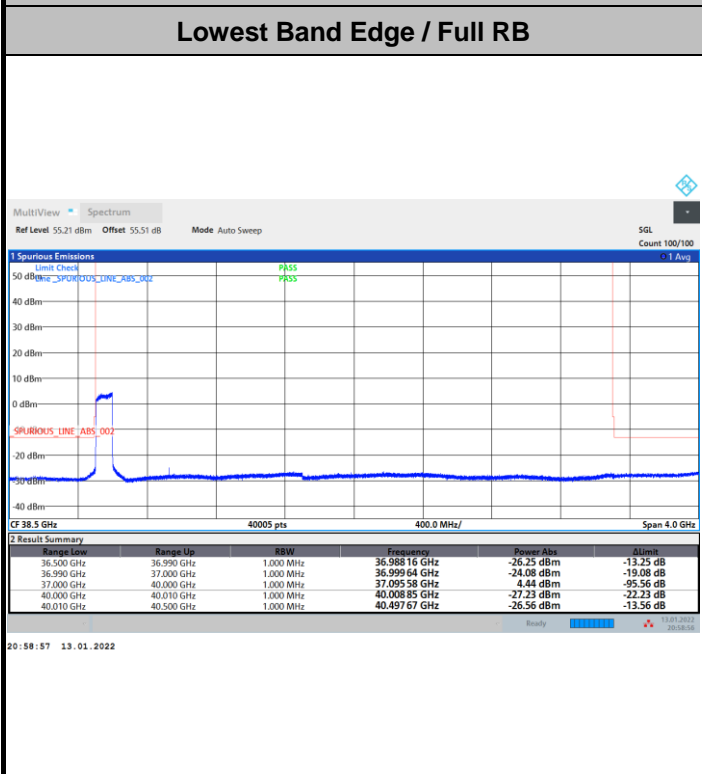
CP-OFDM Module 1



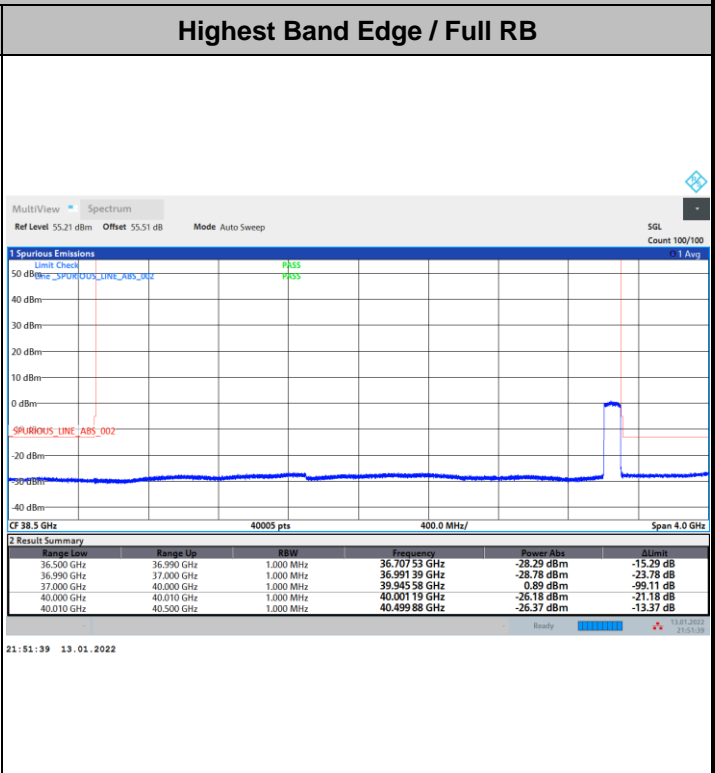
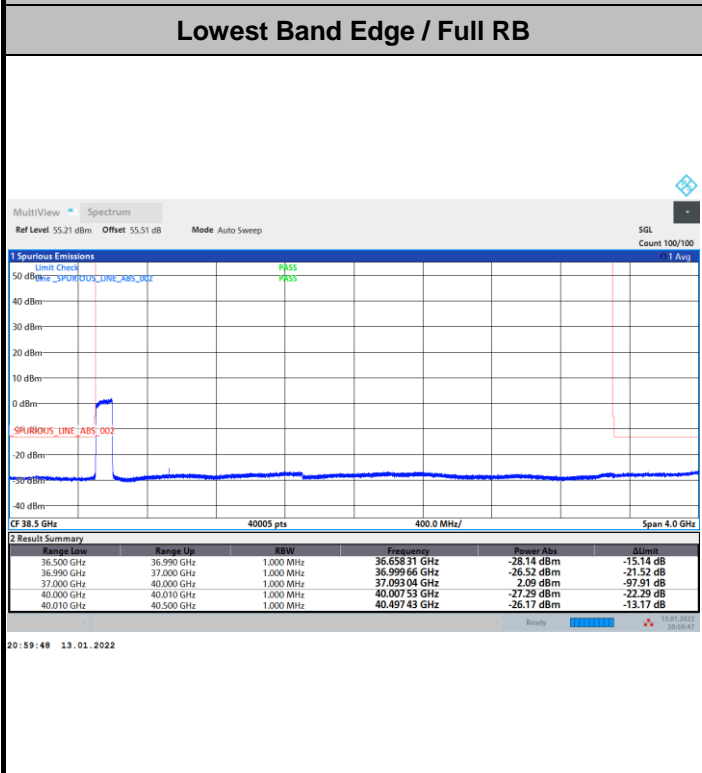


CP-OFDM Module 1

NR Band n260 / 100MHz / 16QAM

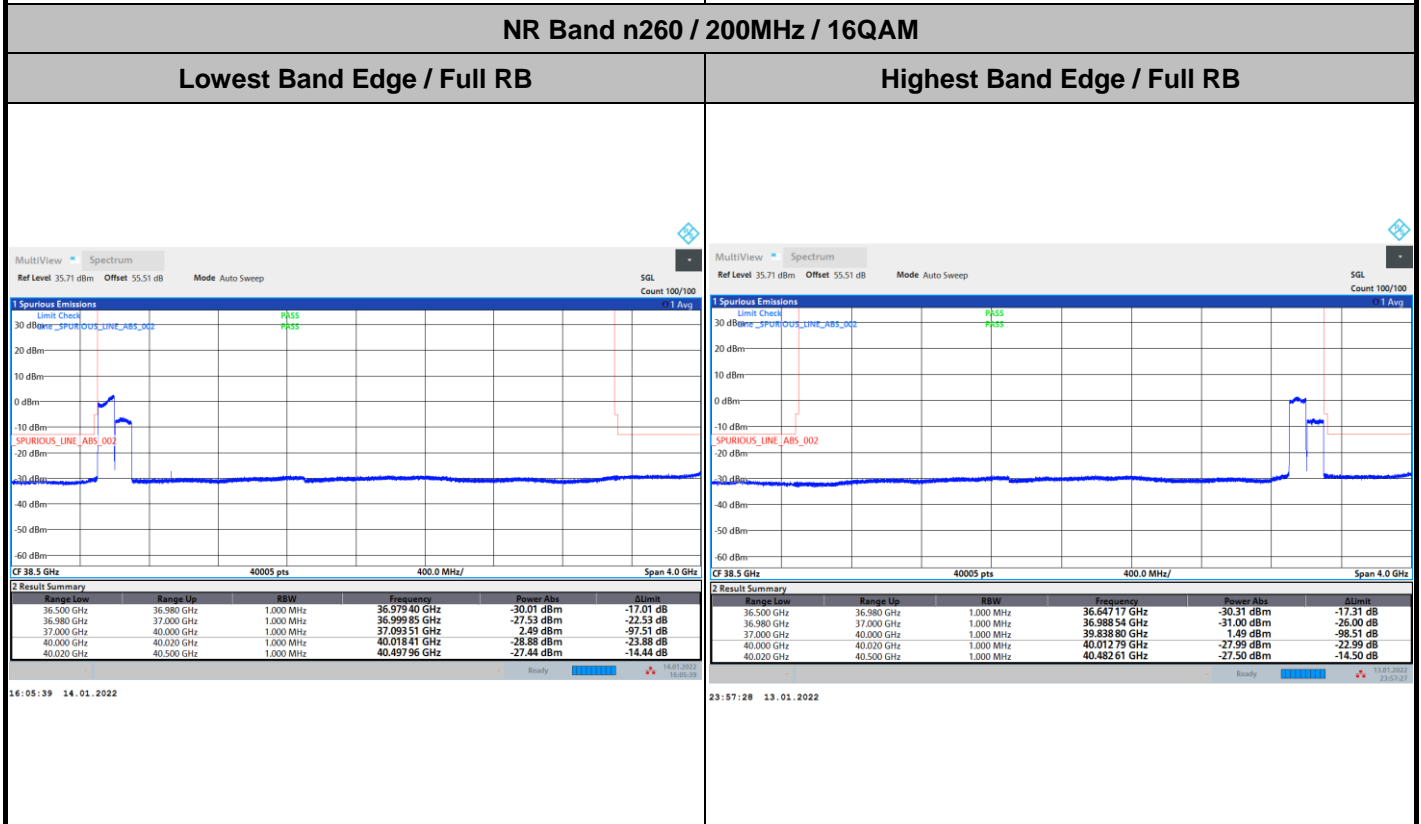
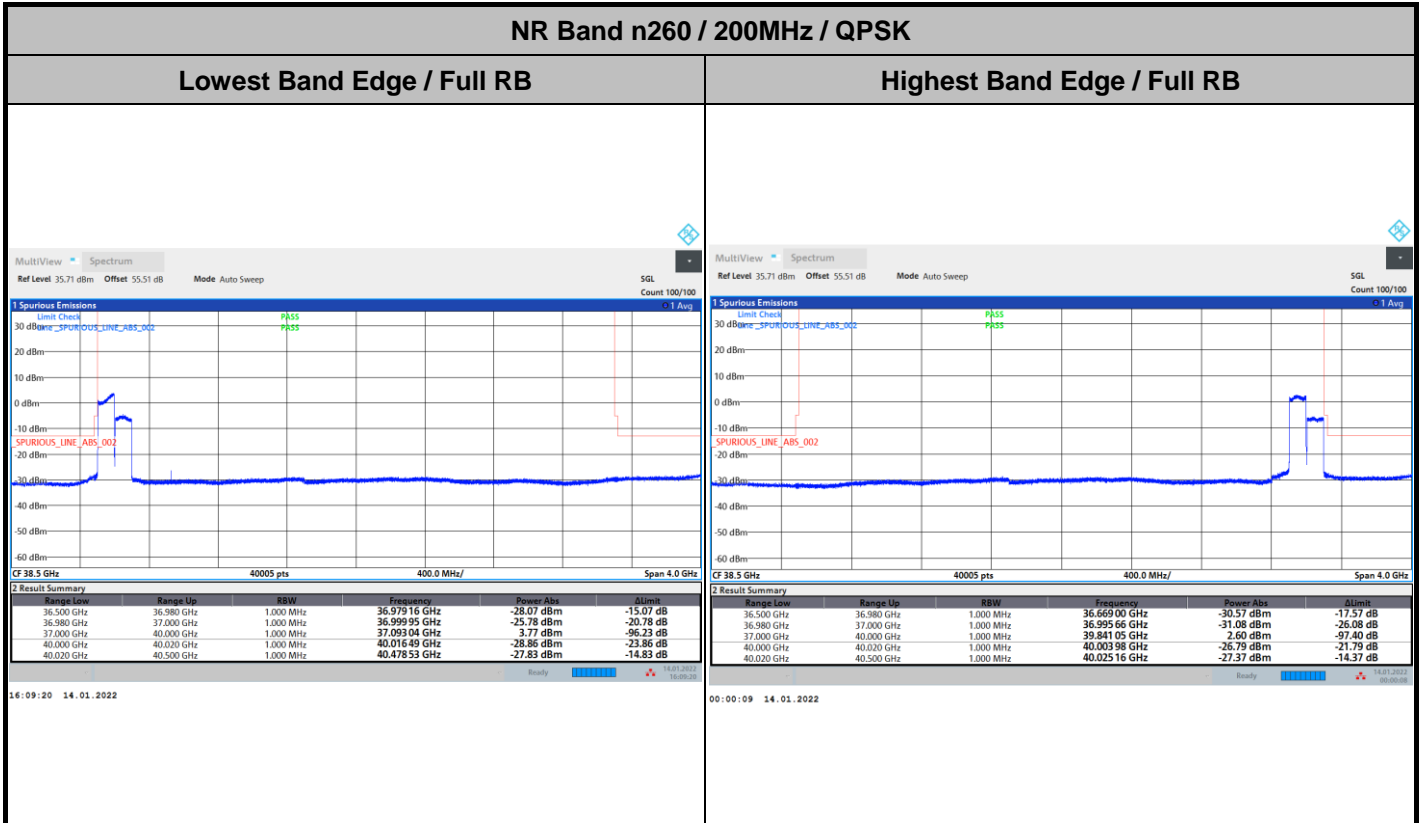


NR Band n260 / 100MHz / 64QAM



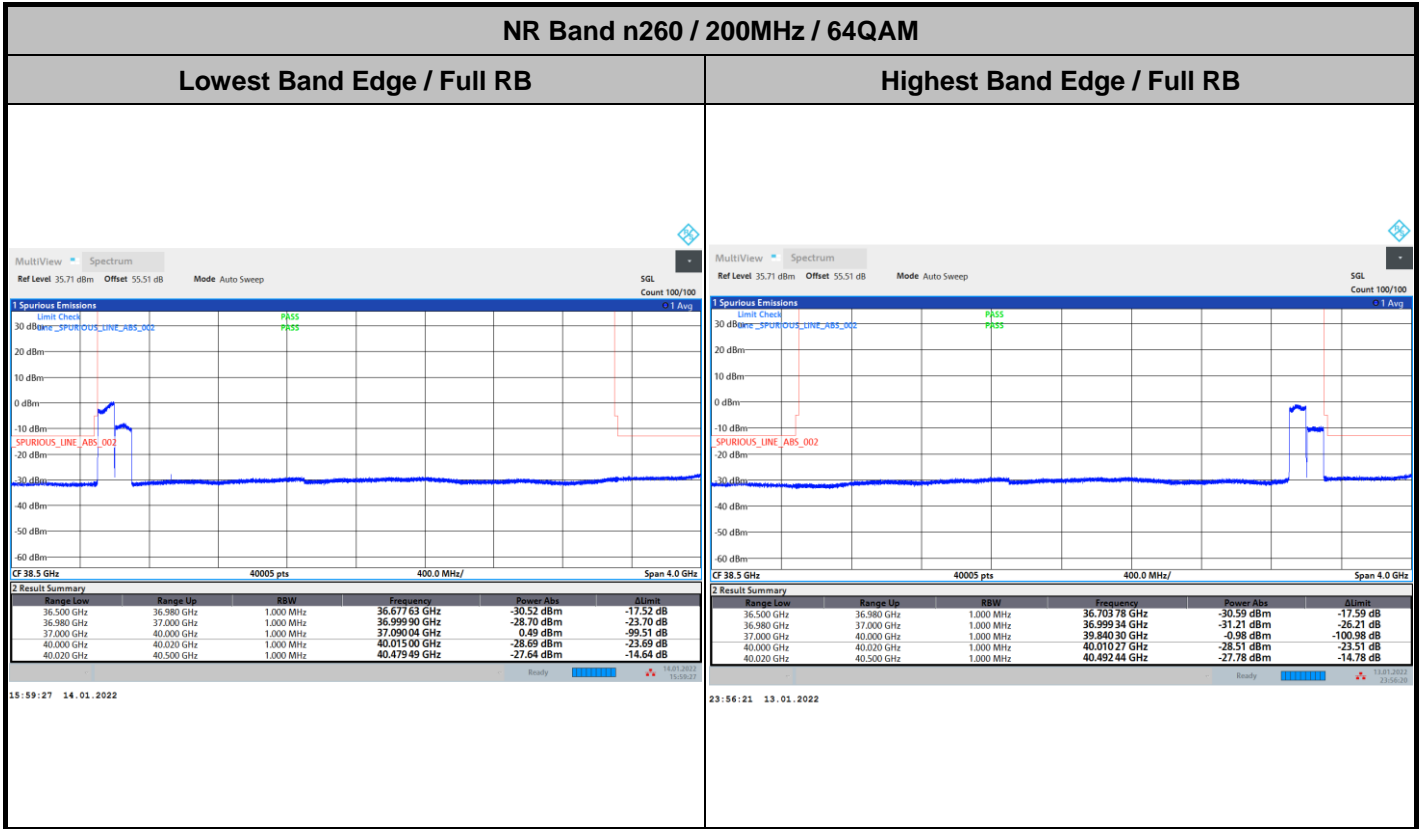


CP-OFDM Module 1





CP-OFDM Module 1



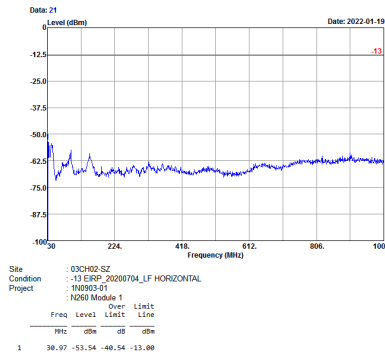


Spurious Emission

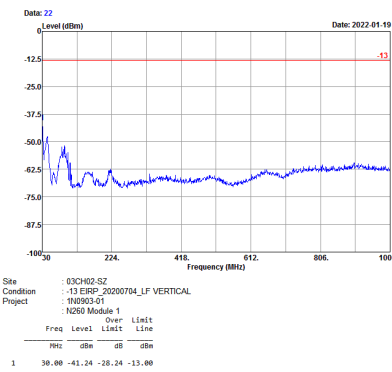
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.

NR Band n260 (30MHz-1GHz)

Horizontal



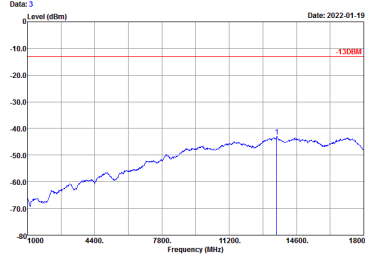
Vertical





NR Band n260 (1GHz-18GHz)

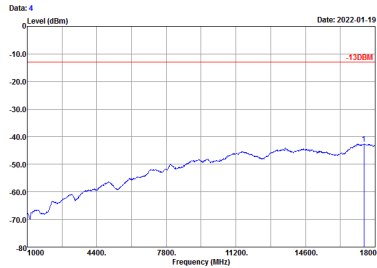
Horizontal



Site : 03CH02-SZ
 Condition : -130dBm ERP_20200906 HORIZONTAL
 Project : FG1N0903-01
 NR260 Module 1

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	13597.00	-43.83	-30.03 -13.00

Vertical

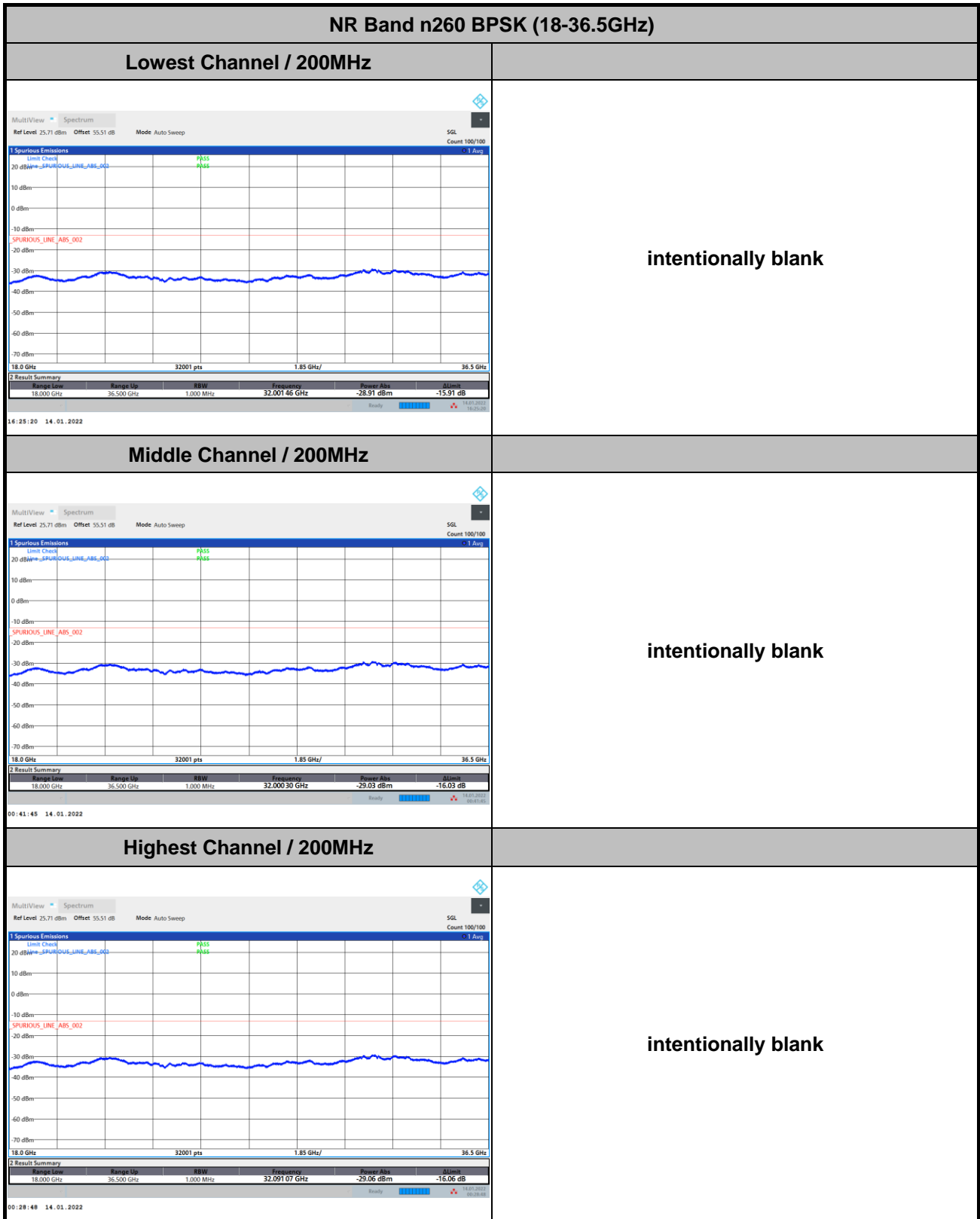


Site : 03CH02-SZ
 Condition : -130dBm ERP_20200906 VERTICAL
 Project : FG1N0903-01
 NR260 Module 1

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	17456.00	-42.45	-29.45 -13.00



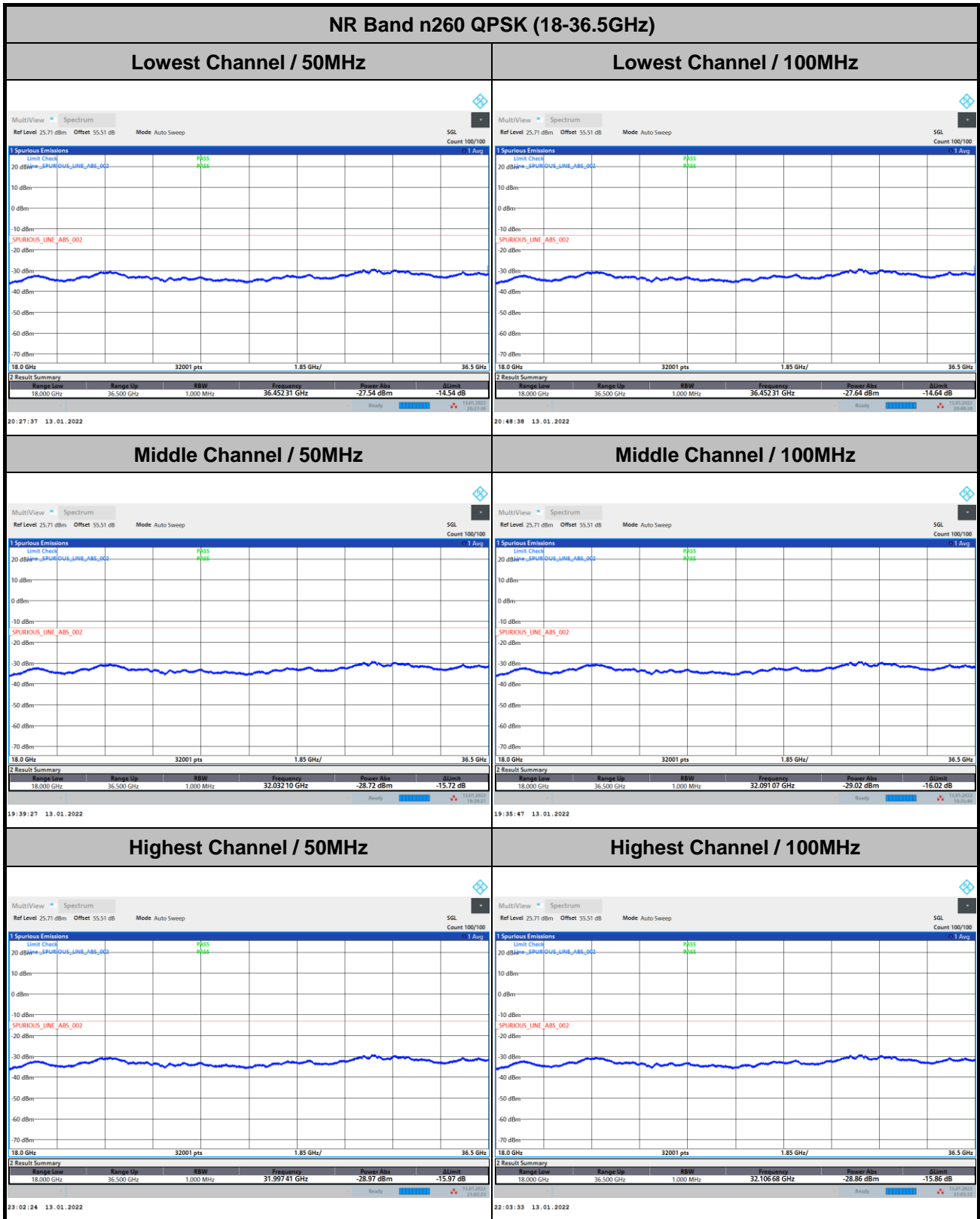
DFT-s-OFDM Module 1



Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 1



Remark: In band and out of band frequencies are omitted.



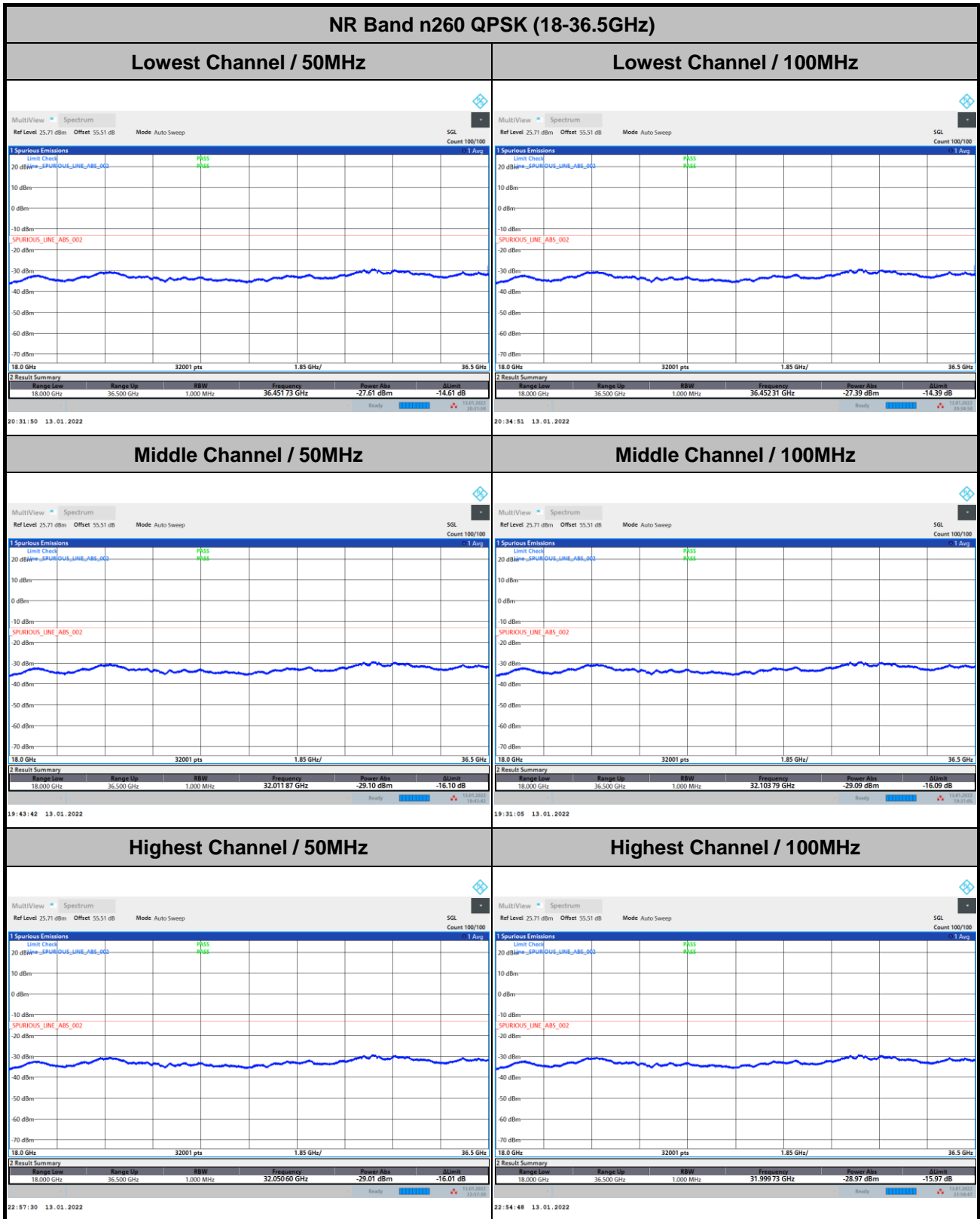
DFT-s-OFDM Module 1

NR Band n260 QPSK (18-36.5GHz)	
<p>Lowest Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Middle Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Highest Channel / 200MHz</p>	<p>intentionally blank</p>

Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 1



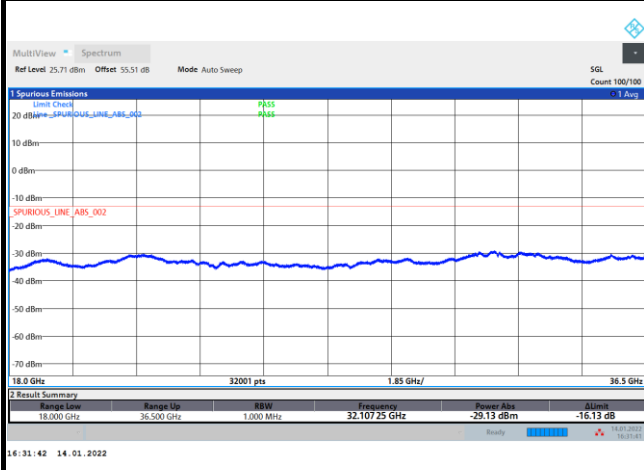
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module 1

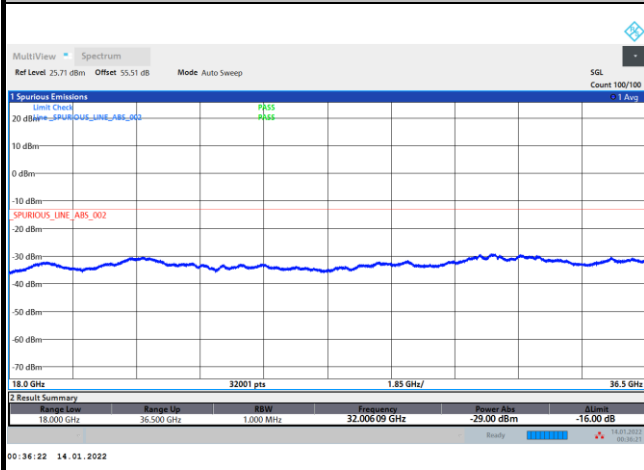
NR Band n260 QPSK (18-36.5GHz)

Lowest Channel / 200MHz



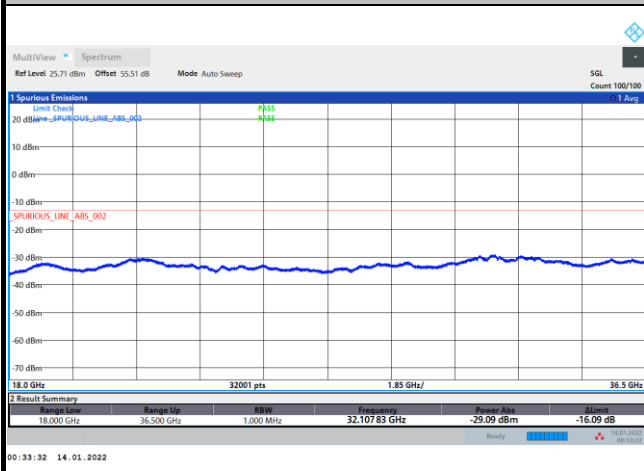
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz

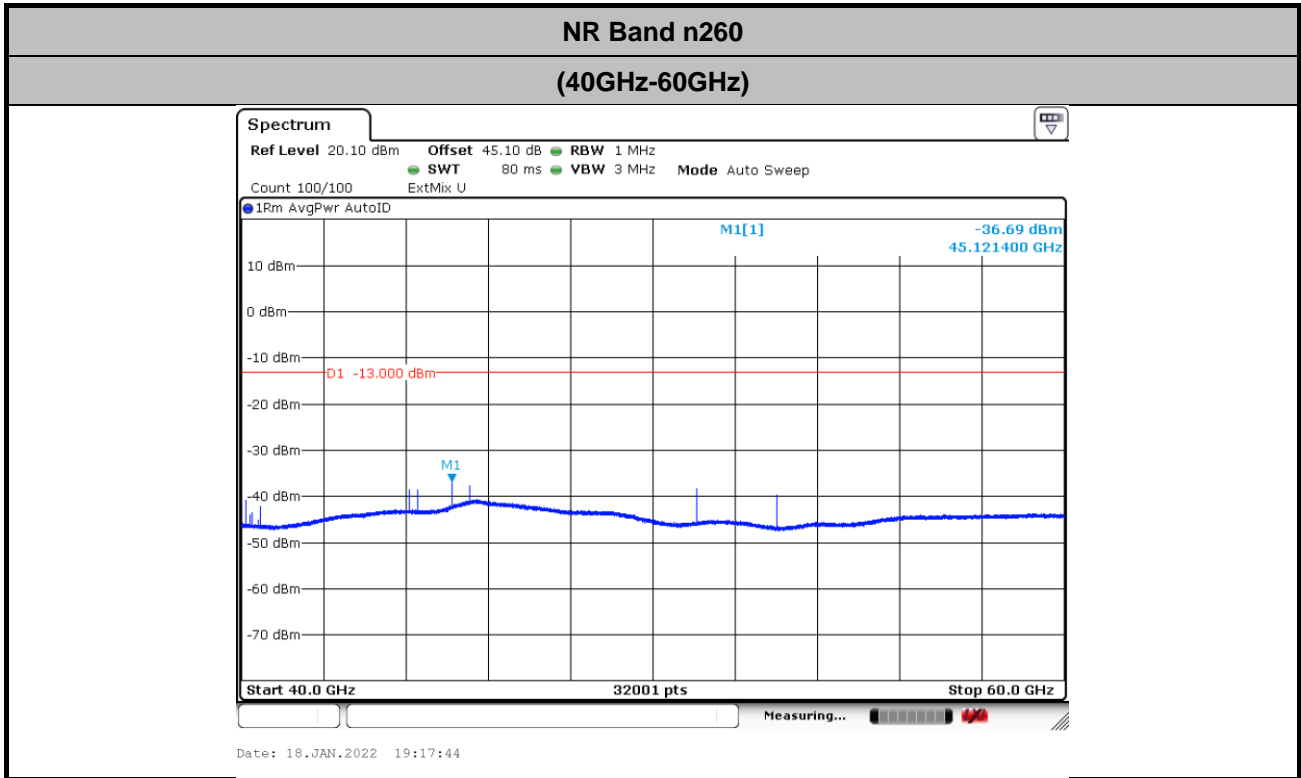


intentionally blank

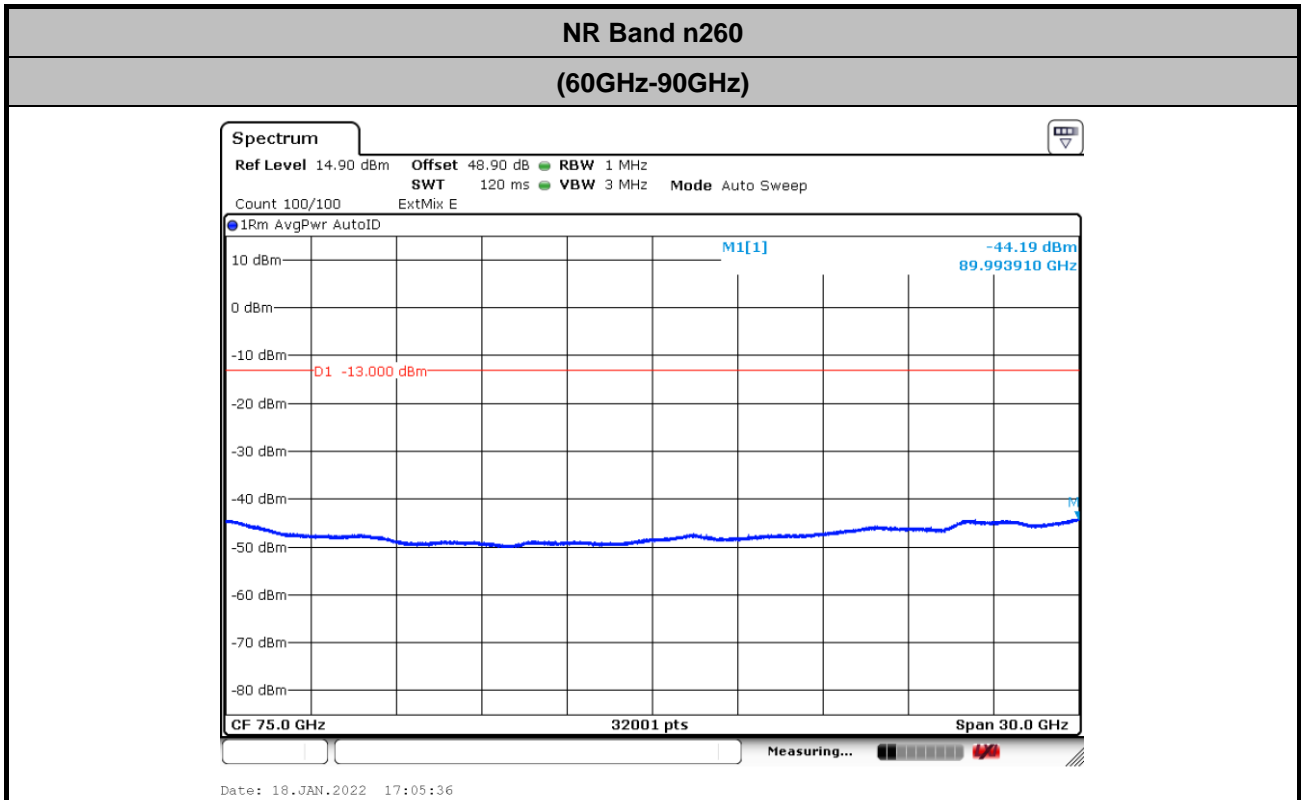
Remark: In band and out of band frequencies are omitted.



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.

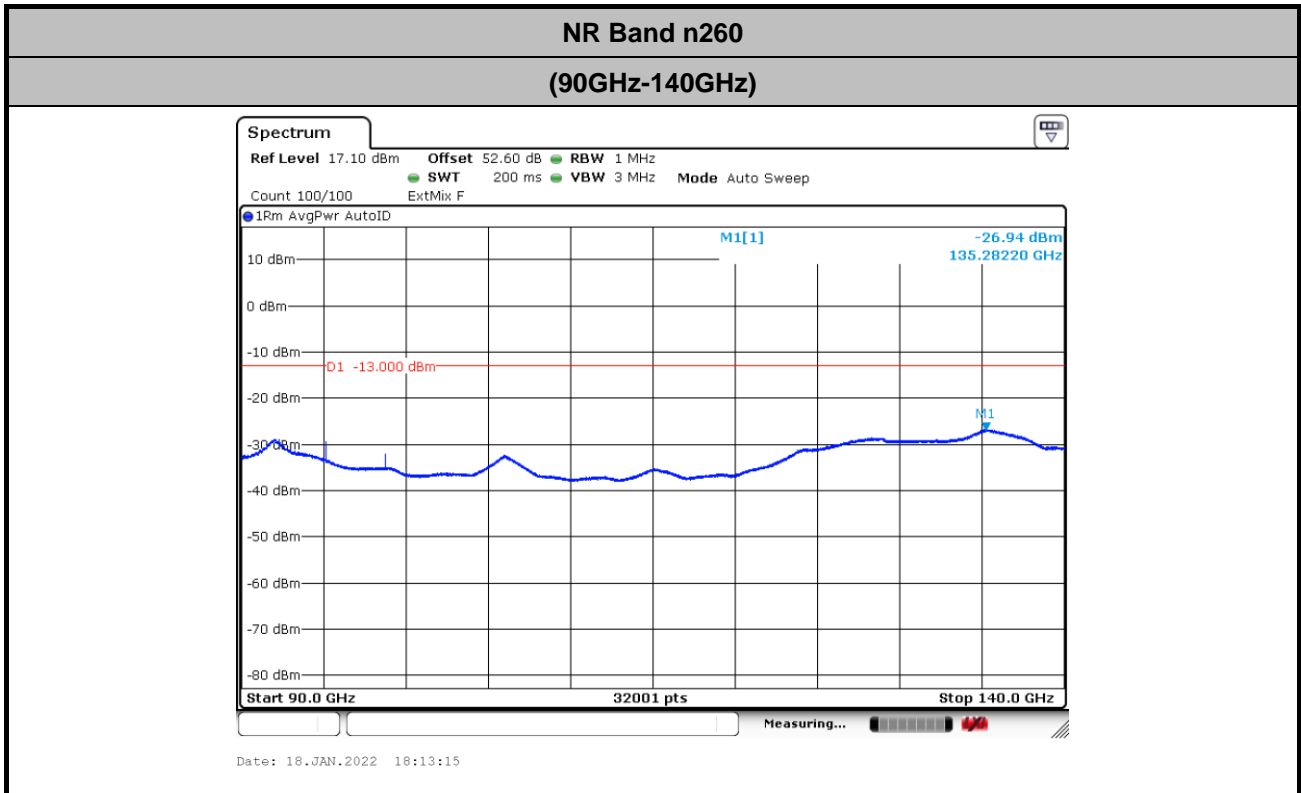


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.5 + 0.4 + 107 + 20\log(1) - 104.8 = 45.1 \text{ (dB)} \end{aligned}$$

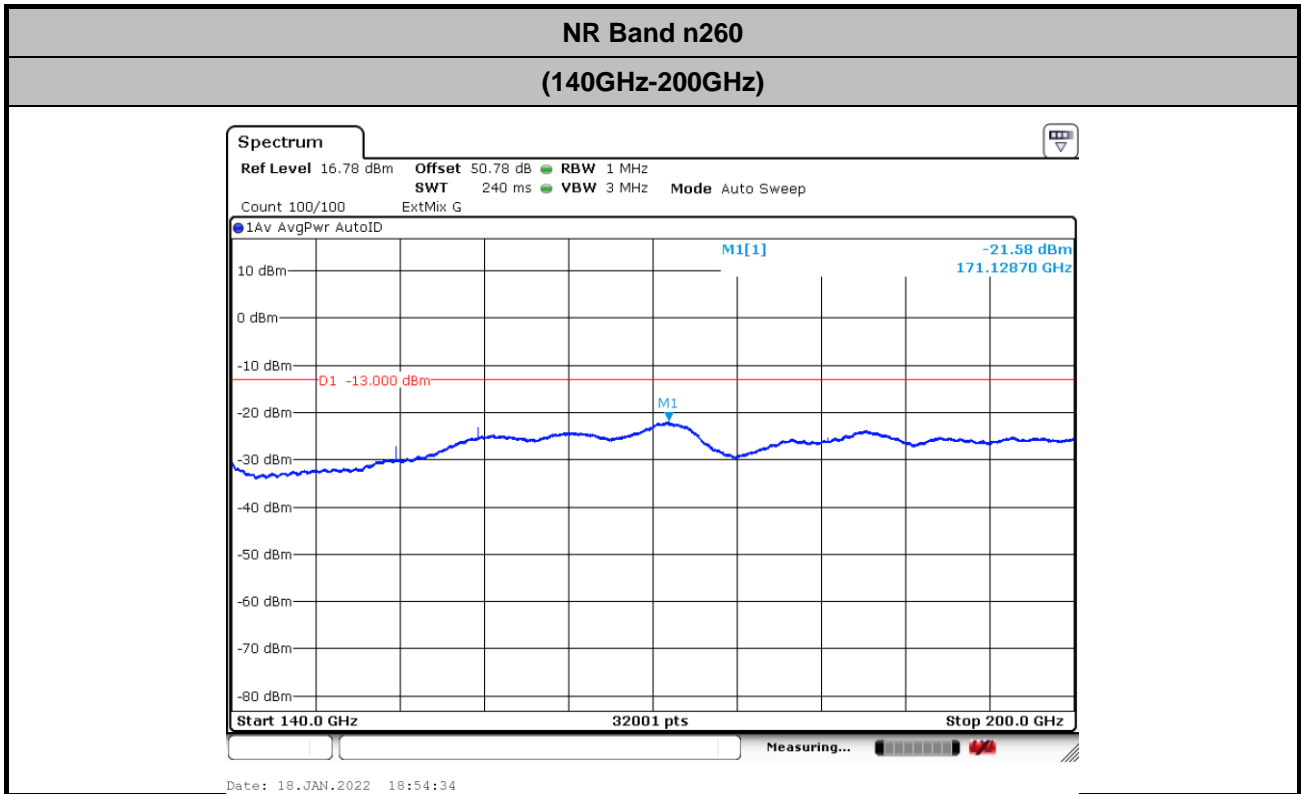


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 46.3 + 0.4 + 107 + 20\log(1) - 104.8 = 48.9 \text{ (dB)}$$



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 50 + 0.4 + 107 + 20\log(1) - 104.8 = 52.6 \text{ (dB)}
 \end{aligned}$$



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 54.2 + 0.4 + 107 + 20\log(0.5) - 104.8 = 50.78 \text{ (dB)}$$

Remark: The spurious emissions were measured from 18GHz to 36.5GHz and 40GHz to 200GHz. The test results within the omitted frequency 36.5GHz to 40GHz were measured and reported in the section of Radiated Out of Band Emission with frequency range, 36.5GHz to 40GHz, and all spurious comply with limits.



Frequency Stability

Test Conditions		NR Band n260 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	38.49992619	74.530	1.936	PASS
40	Normal Voltage	38.49995441	46.310	1.203	
30	Normal Voltage	38.49999204	8.680	0.225	
20(Ref.)	Normal Voltage	38.50000072	0.000	0.000	
10	Normal Voltage	38.50007019	-69.470	1.804	
0	Normal Voltage	38.5002686	-267.880	6.958	
-10	Normal Voltage	38.5003126	-311.880	8.101	
-20	Normal Voltage	38.5003334	-332.680	8.641	
-30	Normal Voltage	38.500301	-300.280	7.799	
20	Maximum Voltage	38.50001085	-10.130	0.263	
20	Normal Voltage	38.5	0.000	0.000	
20	Battery End Point	38.49998046	20.260	0.526	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n261 Module 0

AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.85	45.89	45.89	45.77	91.26	91.30	91.78	91.28	186.32	186.84	189.87	187.30
Middle CH	45.96	45.99	45.92	45.82	91.57	91.43	91.49	91.40	188.95	188.00	188.43	187.84
Highest CH	45.93	46.16	46.01	46.03	91.29	91.36	91.76	91.30	185.46	185.96	184.90	185.96

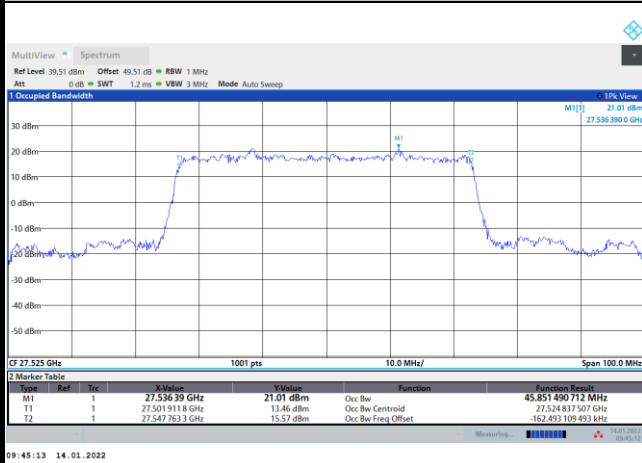
Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.98	45.86	45.94	91.14	91.38	91.21	185.75	185.37	186.60
Middle CH	46.01	45.87	46.00	91.32	91.55	91.56	187.79	187.85	188.23
Highest CH	45.98	45.88	45.83	91.35	91.49	91.25	185.53	185.13	185.54



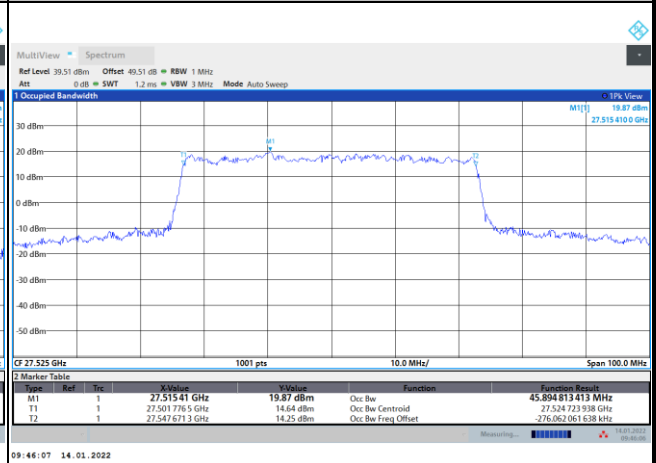
DFT-s-OFDM Module 0

NR Band n261

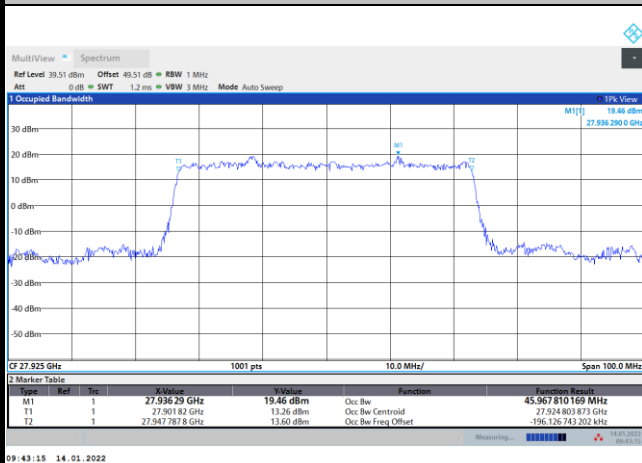
Lowest Channel / 50MHz / BPSK



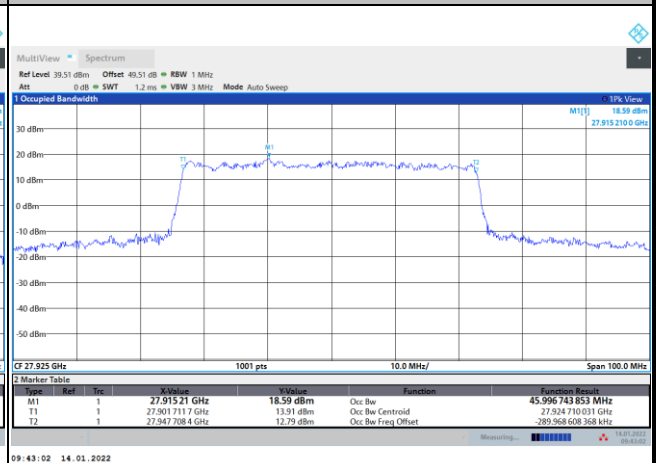
Lowest Channel / 50MHz / QPSK



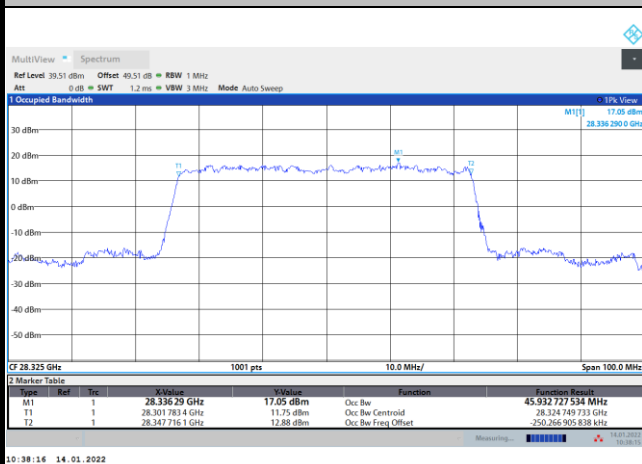
Middle Channel / 50MHz / BPSK



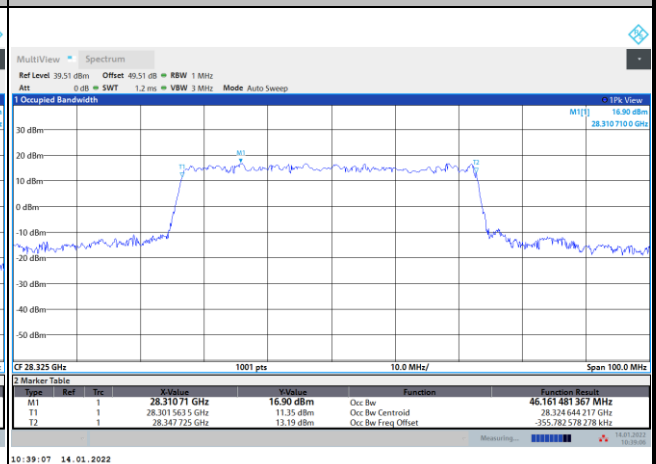
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

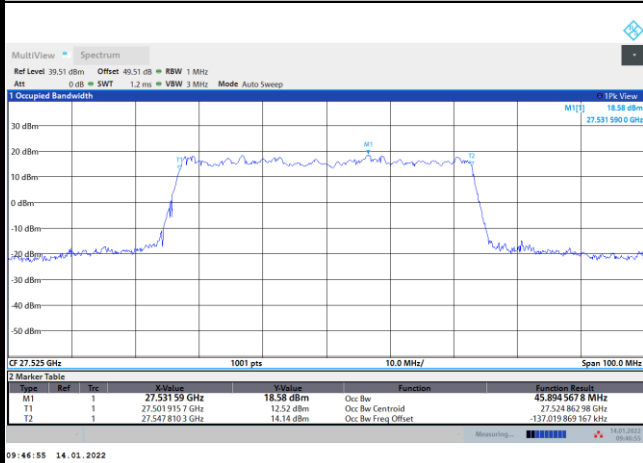




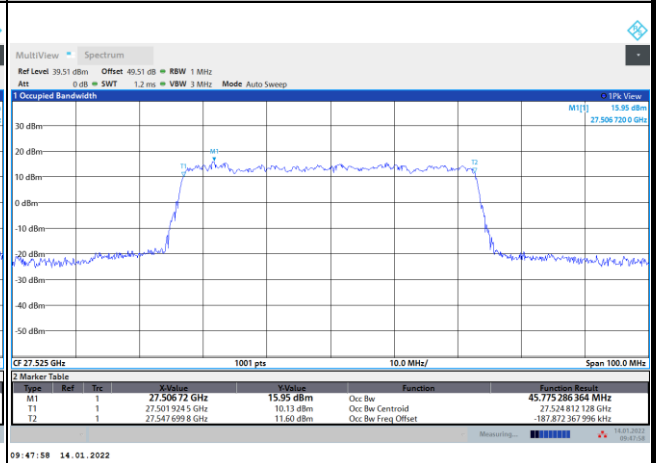
DFT-s-OFDM Module 0

NR Band n261

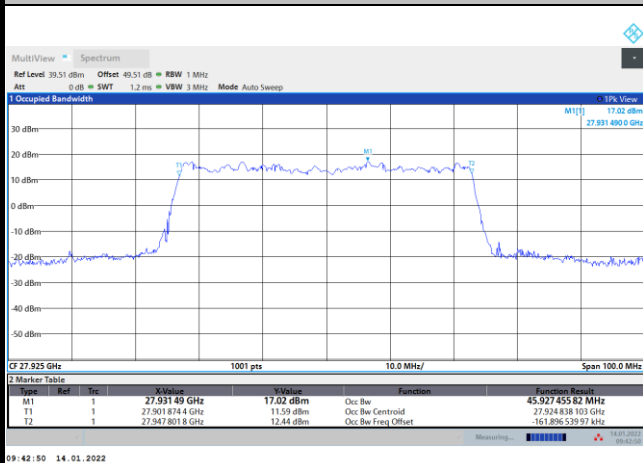
Lowest Channel / 50MHz / 16QAM



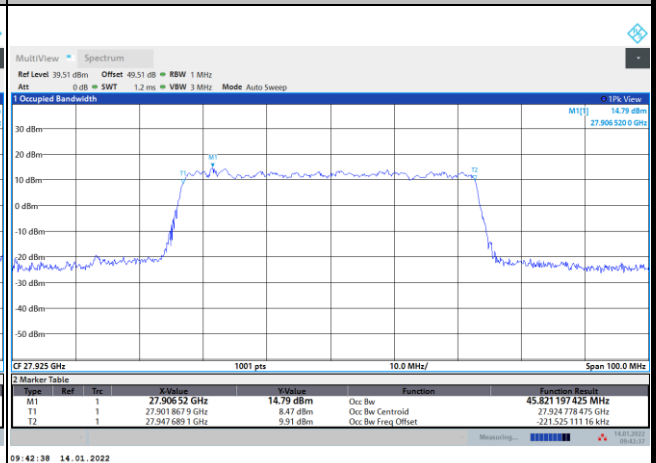
Lowest Channel / 50MHz / 64QAM



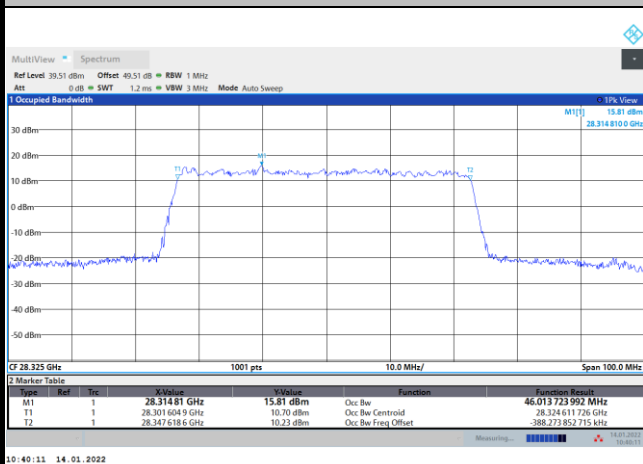
Middle Channel / 50MHz / 16QAM



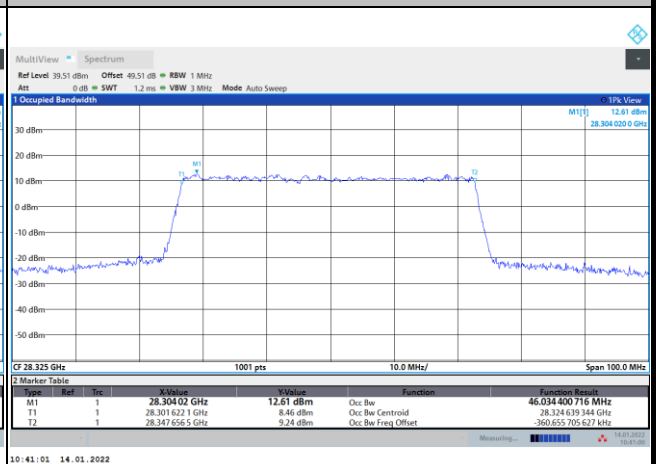
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

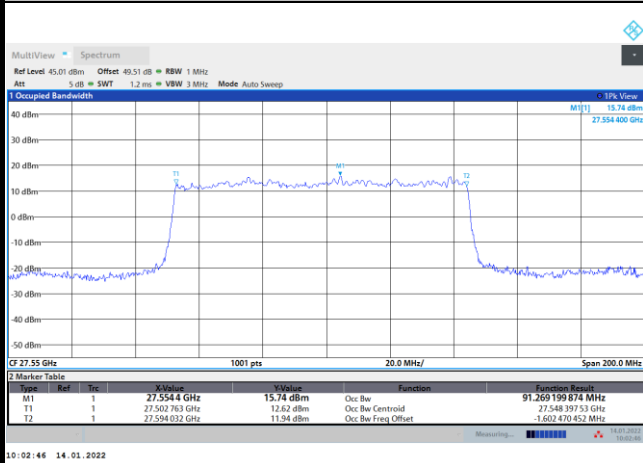




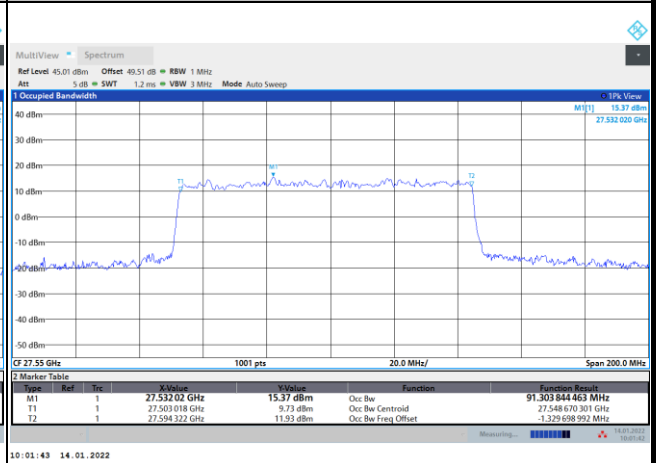
DFT-s-OFDM Module 0

NR Band n261

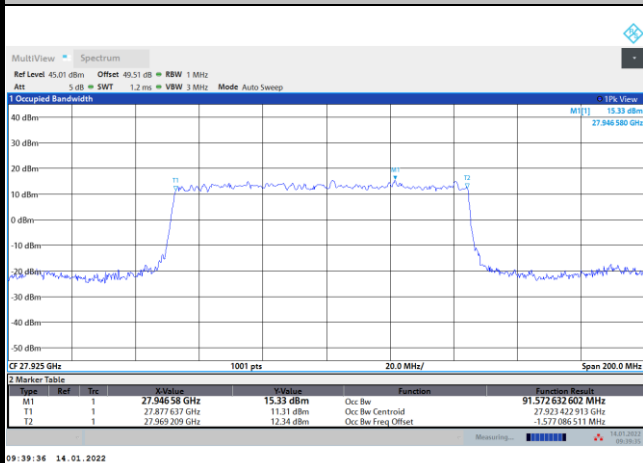
Lowest Channel / 100MHz / BPSK



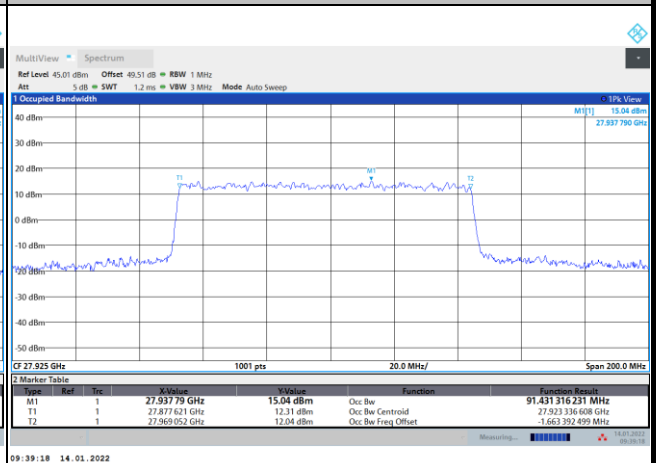
Lowest Channel / 100MHz / QPSK



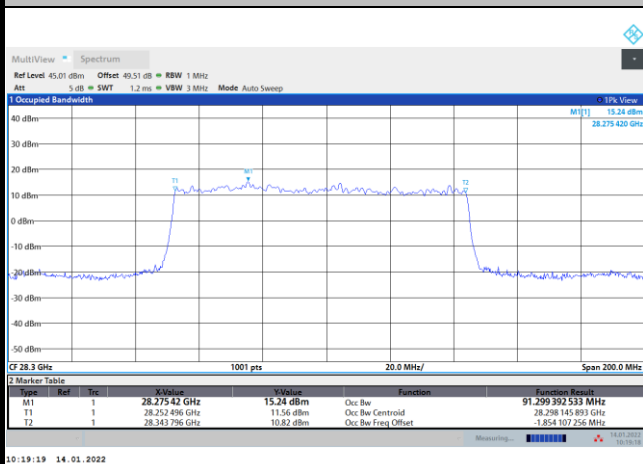
Middle Channel / 100MHz / BPSK



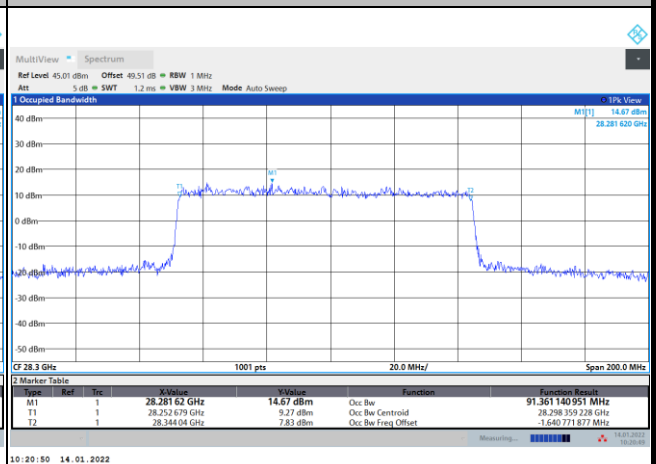
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

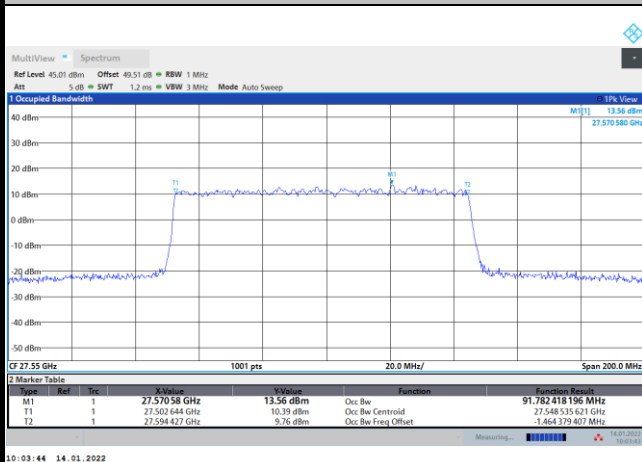




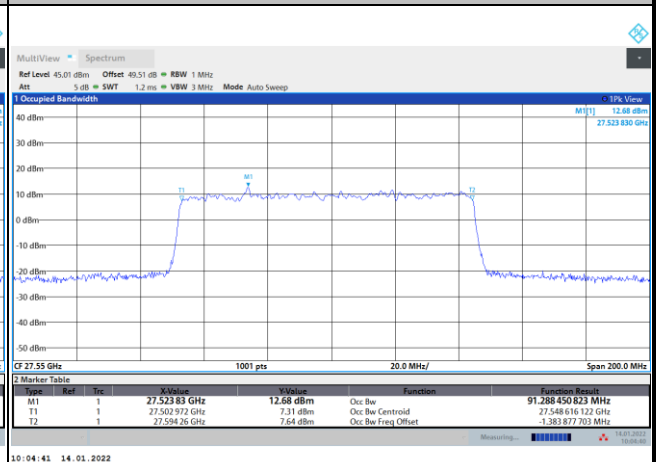
DFT-s-OFDM Module 0

NR Band n261

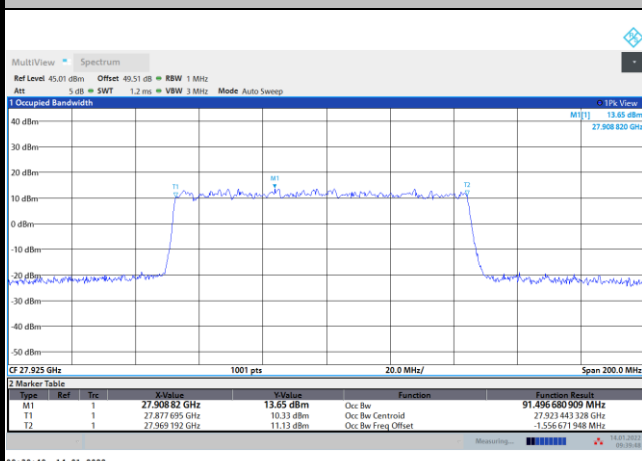
Lowest Channel / 100MHz / 16QAM



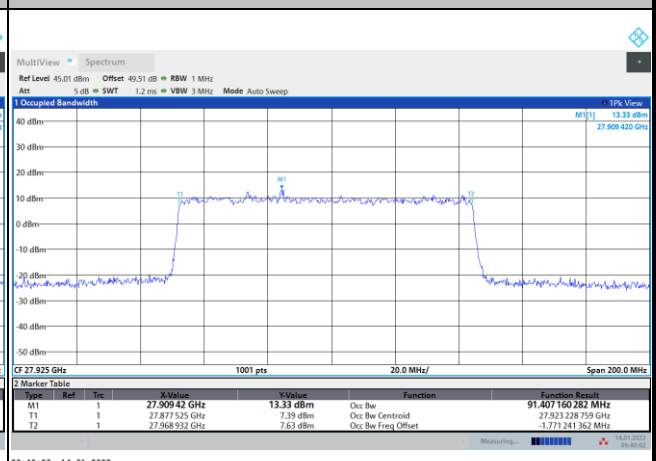
Lowest Channel / 100MHz / 64QAM



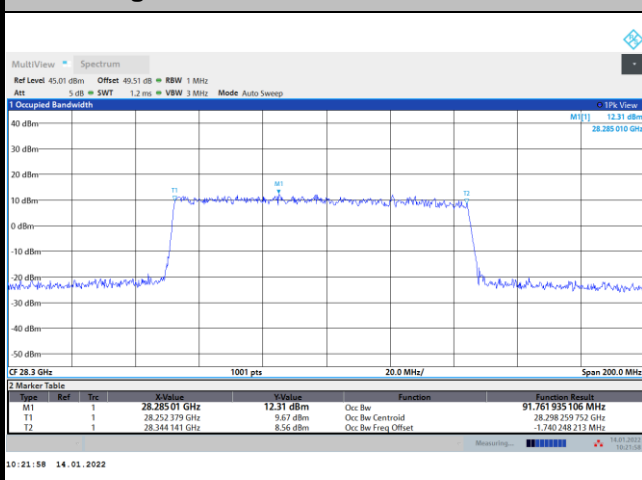
Middle Channel / 100MHz / 16QAM



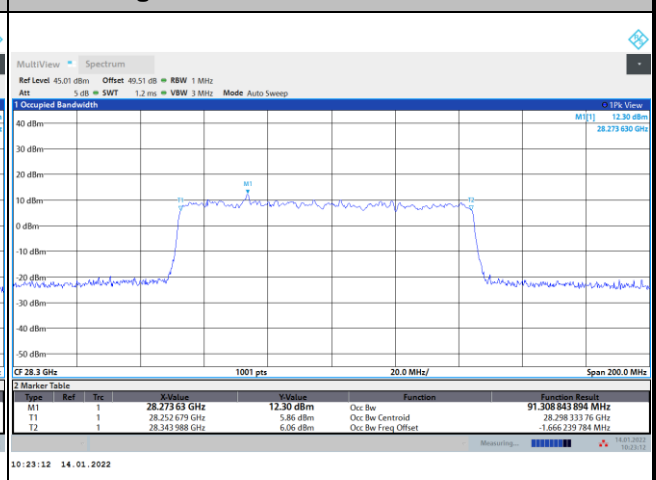
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

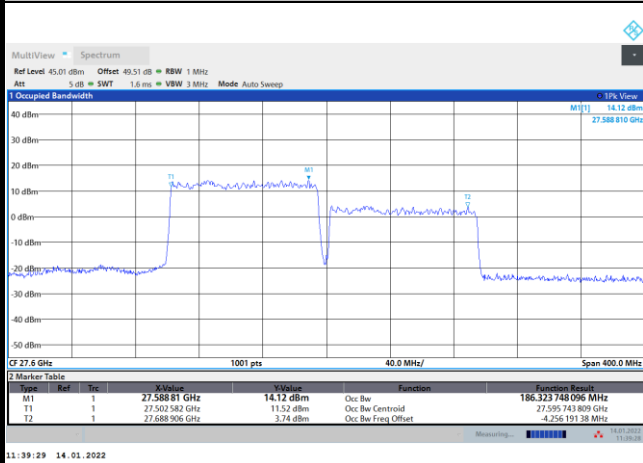




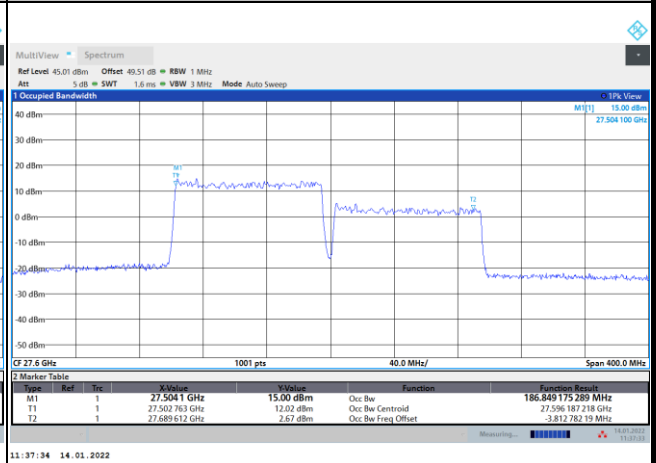
DFT-s-OFDM Module 0

NR Band n261

Lowest Channel / 200MHz / BPSK



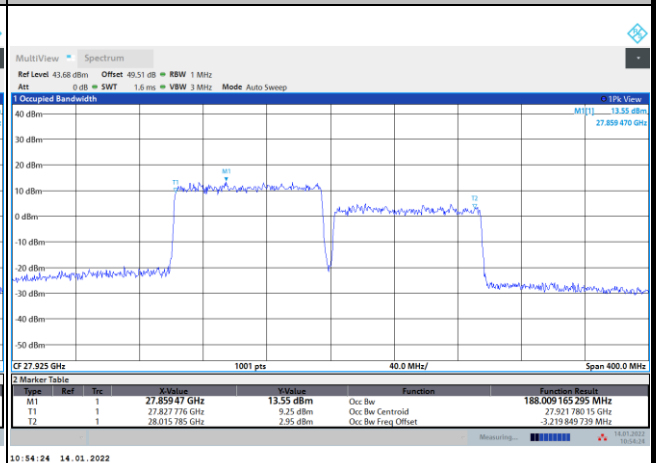
Lowest Channel / 200MHz / QPSK



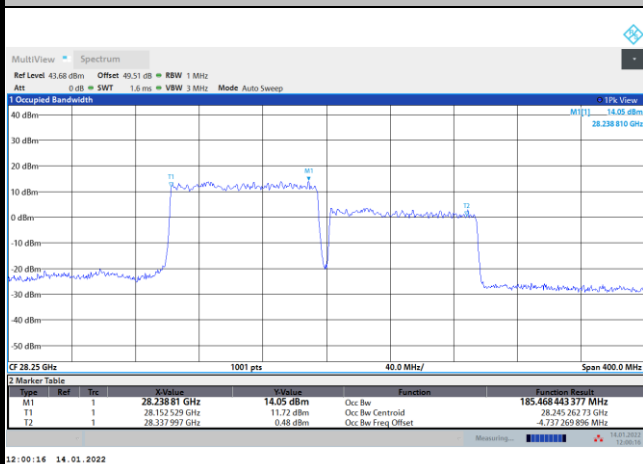
Middle Channel / 200MHz / BPSK



Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

